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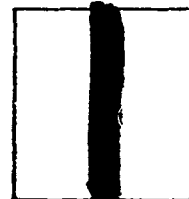
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USAFETAC/DS-80/011

**DATA PROCESSING DIVISION  
USAFETAC  
Air Weather Service ( MAC )**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

KIRTLAND AFB NM      WBAN# 23004  
N 35 03 W 106 37      FLD ELEV 5352 FT      KBQ      JMO# 72365

PARTS A-F  
FOR FROM HOURLY OBS: SEP 67 - DEC 70, JAN 73 - AUG 79  
FOR FROM DAILY OBS: SEP 49 - AUG 79  
TIME CONVERSION GMT TO LST: -7

**JAN 31 1980**

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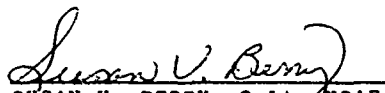
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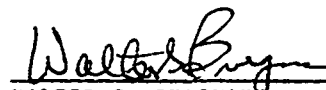
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This technical report has been reviewed and is approved for publication.

  
SUSAN V. BERRY, 2 Lt, USAF  
Information Retrieval  
Manager

FOR THE COMMANDER

  
WALTER S. BURGMANN  
Scientific & Technical  
Information Officer

27 FEB 1960



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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
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USAFETAC/DS- 80/011		
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Revised Uniform Summary of Surface Weather Observations (RUSSWO)-Kirtland AFB, Albuquerque, New Mexico		Final rept.
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17 DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18 SUPPLEMENTARY NOTES		
19 KEY WORDS (Continue on reverse side if necessary and identify by block number)		
*RUSSWO	Daily temperature	Atmospheric pressure
Snowfall	Extreme snow depth	Extreme surface winds
Climatology	Sea-level pressure	Psychrometric summary
Surface Winds	Extreme temperature	Ceiling versus visibility
Relative humidity	*Climatological data	(over)
20 ABSTRACT (Continue on reverse side if necessary and identify by block number)		
This report is a six-part statistical summary of surface weather observations for Kirtland AFB, Albuquerque, New Mexico It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)		

DD FORM 1 JAN 73 1473

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CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of oistribution tables

\* New Mexico

\* Kirtland AFB, NM

20. and dew-point temperatures and relative humidity); and (F) Pressure  
Summary (means, standard, deviations, and observation counts of  
station pressure and sea-level pressure). Data in this report are  
presented in tabular form, in most cases in percentage frequency of  
occurrence or cumulative percentage frequency of occurrence tables.

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U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_







U S AIR FORCE  
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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sum of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse



Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## WEATHER CONDITIONS

21004 AIRTLAND AFB NM 66-70,73-79 FEB  
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCUPRECE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST. TO VISION	TOTAL NO. OF OBS
FEB	00-02		2.0		3.5		5.4	2.0		.4		2.4	846
	03-05		1.7		3.9		5.6	2.0		.1		2.1	846
	6-08		3.1		3.5		6.5	4.0		.2		4.1	846
	9-11	.1	2.5		3.5		5.9	3.4			.4	3.8	846
	12-14		1.4		3.3		4.7	1.9		.5		2.4	846
	15-17	.1	1.2		2.8		3.9	1.4			.1	1.5	845
	18-20		1.4		2.0		3.4	1.2				1.2	846
	21-23		1.8		1.9		3.5	.5				.5	846
TOTALS		.6	1.9		3.1		4.9	2.1		.2	.1	2.3	6767



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GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

68-70,73-79

MAR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
MAR	00-02		2.2		2.2		4.3	1.1		.3		1.3	930
	03-05		2.4		2.9		4.9	1.2		.3		1.3	930
	06-08		.6		4.0		4.4	2.0		.3		2.2	929
	09-11	.2	1.6		2.8		4.0	1.4			.2	1.6	930
	12-14	.3	1.7		1.7		3.3	.4			.1	.5	930
	15-17	.1	1.5		1.2		2.7	.4			.6	1.1	930
	18-20	.1	2.8		1.5		3.9	.5			.2	.8	930
	21-23		2.6		2.4		4.7	.9				.9	930
TOTALS		.1	1.9		2.3		4.0	1.0		.1	.1	1.2	7439



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## WEATHER CONDITIONS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

APR  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
APR	00-02		1.2		.6		1.9	.7				.7	900
	03-05		1.8		.8		2.6	.2		.1		.3	900
	06-08		1.7		.9		2.6	.9				.9	900
	09-11	.1	1.6		1.2		2.7	.7			.2	.9	900
	12-14	.2	1.3		.8		2.1	.7			.4	1.1	900
	15-17	.7	2.2		.4		2.6	.4	.1		1.1	1.7	900
	18-20	.1	1.9		.1		2.0				.3	.3	900
	21-23		1.2				1.2	.2				.2	900
TOTALS		.1	1.6		.6		2.2	.5	.0	.0	.3	.8	7200



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## WEATHER CONDITIONS

23004

AIRTLAND AFB NM

68-70,73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER  
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	00-02		1.9	.2	3.2		5.3	2.3				2.3	930
	03-05		.8		4.1		4.8	2.7				2.7	930
	06-08		.9		3.5		4.4	2.9				2.9	930
	09-11		1.4		3.8		4.8	4.0		.1	.1	4.2	930
	12-14		1.3		3.3		4.5	1.9		.1		2.0	930
	15-17	.2	2.0		3.3		5.4	2.8				2.8	930
	18-20		2.3		1.7		4.0	1.9		.2		2.0	930
	21-23		2.8		2.4		5.2	2.3		.3		2.6	930
TOTALS		.0	1.7	.0	3.2		4.8	2.6		.1	.0	2.7	7440



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AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

68-70, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAY	00-02	.1	2.4				2.4	.1				.1	930
	03-05		2.9		.1		2.9	.2				.2	930
	06-08		1.5		.1		1.5	.3				.3	930
	09-11	.1	2.5				2.5	.1				.1	930
	12-14	.6	3.1		.1		3.1				.1	.1	929
	15-17	1.7	4.0				4.0				.2	.2	930
	18-20	.5	4.9				4.9	.1				.1	930
	21-23	.4	3.7				3.7				.1	.1	930
TOTALS		.4	3.1		.0		3.1	.1			.1	.2	7439



GLOBAL CLIMATOLOGY BRANCH  
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## WEATHER CONDITIONS

23004 KIRTLAND AFB NM 68-70,73-79 JUN  
STATION STATION NAME YEARS MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.1	1.2				1.2						900
	03-05	.2	1.4				1.4						900
	06-08		.7				.7						900
	09-11	.1	.4				.4		.1			.1	900
	12-14	1.0	1.9			.1	1.9						900
	15-17	1.9	3.2				3.2	.1			.2	.3	900
	18-20	1.3	3.2				3.2	.1			.2	.3	900
	21-23	.7	1.9				1.9						900
TOTALS		.7	1.7			.0	1.7	.0	.0		.1	.1	7200



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## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

68-70,73-79

JUL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
JUL	00-02	1.0	3.8				3.8				.3	.3	930
	03-05	.1	1.6				1.8	.1				.1	930
	06-08	.1	1.5				1.5	.5				.5	930
	09-11		1.2			.1	1.3	.1				.1	930
	12-14	1.2	1.4				1.4						930
	15-17	4.7	6.6			.1	6.6						930
	18-20	7.1	9.5				9.5	.1				.1	930
	21-23	3.0	9.4				9.4	.1				.1	930
TOTALS		2.2	4.4			.0	4.4	.1			.0	.2	7440



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

68-70,73-79

AUG

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
AUG	00-02	.9	4.7				4.7						930
	03-05	.5	3.2				3.2						930
	06-08		2.2				2.2						930
	09-11	.1	1.4				1.4	.1				.1	930
	12-14	1.0	1.5				1.5						930
	15-17	3.8	2.8				2.8				.1	.1	929
	18-20	5.5	8.7				8.7						927
	21-23	2.3	7.7				7.7	.1				.1	927
TOTALS		1.8	4.0				4.0	.0			.0	.0	7433



GLOBAL CLIMATOLOGY BRANCH  
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## WEATHER CONDITIONS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	.4	3.6				3.6	.1				.1	900
	03-05	.8	3.4				3.4	.4			.1	.6	900
	06-08	.2	3.0				3.0	.3				.3	900
	09-11		3.0				3.0						900
	12-14	.4	3.1				3.1						900
	15-17	1.4	3.9				3.9						900
	18-20	1.4	5.1				5.1	.1				.3	900
	21-23	1.1	4.3				4.3	.2				.2	900
TOTALS		.7	3.7				3.7	.1			.0	.2	7200



GLOBAL CLIMATOLOGY BRANCH  
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## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

67-70,73-78

OCT

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
OCT	00-02		2.7				2.7	.4				.4	930
	03-05	.1	1.8				1.8	.2				.2	930
	06-08		2.7		.1		2.8	1.5				1.5	929
	09-11	.2	2.0		.2		2.3	.6				.6	930
	12-14	.1	1.7		.6		2.3	.1				.1	930
	15-17	1.0	2.8		.3	.1	3.1	.4			.1	.5	930
	18-20		3.9				3.9	.1				.1	930
	21-23	.1	4.1		.1		4.2	.2				.2	930
TOTALS		.2	2.7		.2	.0	2.9	.4			.0	.5	7439



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## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

67-70,73-78

NCV

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
NOV	00-02	.1	1.9		.4		2.3	.6				.6	900
	03-05		2.0		.6		2.6	.8				.8	900
	06-08	.1	1.2		.8		2.0	.8		.2		1.0	900
	09-11		.9		1.1		2.0	.7	.2	.3	.1	1.0	900
	12-14		1.3		.7		2.0	.3		.1	.1	.4	900
	15-17	.1	1.9		.3		2.2	.2				.2	900
	18-20	.1	3.0		1.1		4.0	.6				.6	900
	21-23		1.9		1.0		2.9	.7				.7	900
TOTALS		.1	1.8		.8		2.5	.6	.0	.1	.0	.7	7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23004 KIRTLAND AFB NM  
STATION STATION NAME

67-70,73-78  
YEARS

DEC  
MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
DEC	00-02		1.1		2.2		3.1	2.3		.2		2.3	930
	03-05		1.7		2.8		4.4	2.5				2.5	930
	06-08		1.3		3.2		4.2	2.9				2.9	930
	09-11		1.2	.1	2.4		3.7	1.6	.2			1.8	930
	12-14		1.0		2.4		3.2	1.5				1.5	930
	15-17		.8		2.6		3.3	1.5	.1			1.6	929
	18-20		.9		2.0		2.7	.9		.1		1.0	927
	21-23		1.0		2.5	.1	3.3	1.7				1.7	927
TOTALS			1.1	.1	2.5	.0	3.5	1.9	.0	.0		1.9	7433



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## WEATHER CONDITIONS

23004

KIRTLAND AFB NM

67-70,73-79

ALL

STATION

STATION NAME

YEARS

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	.0	1.7	.0	3.2		4.8	2.6		.1	.0	2.7	7440
FEB		.0	1.9		3.1		4.9	2.1		.2	.1	2.3	6767
MAR		.1	1.9		2.3		4.0	1.0		.1	.1	1.2	7439
APR		.1	1.6		.6		2.2	.5	.0	.0	.3	.8	7200
MAY		.4	3.1		.0		3.1	.1			.1	.2	7439
JUN		.7	1.7			.0	1.7	.0	.0		.1	.1	7200
JUL		2.2	4.4			.0	4.4	.1			.0	.2	7440
AUG		1.8	4.0				4.0	.0			.0	.0	7433
SEP		.7	3.7				3.7	.1			.0	.2	7200
OCT		.2	2.7		.2	.0	2.9	.4			.0	.5	7439
NOV		.1	1.8		.8		2.5	.6	.0	.1	.0	.7	7200
DEC			1.1	.0	2.5	.0	3.5	1.9	.0	.0		1.9	7433
TOTALS		.5	2.5	.0	1.1	.0	3.5	.8	.0	.0	.1	.9	87630



## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXXXXXXXXXX  
XX **WEATHER CONDITIONS** XX  
ATMOSPHERIC PHENOMENA

2304 KIPTLAND AFB NM 47-79 ALL  
STATION STATION NAME YEARS MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA  
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAZ	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
JAN	DAILY	.5	11.1	.5	15.6	.1	22.7	6.6	.2	1.2	.4	3.1	968
FEB		.7	14.4		16.7	.3	27.7	7.5	.1	1.0	.9	9.2	895
MAR		2.7	16.4	.1	15.1	.6	25.2	5.3	.2	.3	1.6	7.3	981
APR		4.2	17.7		5.4	.4	20.1	2.1	.1	.1	2.7	4.9	924
MAY		11.3	25.4		.5	.9	26.6	.7			1.5	2.2	982
JUN		15.5	29.1			1.2	29.1	.4			1.2	1.6	950
JUL		33.7	56.4			.7	56.4	.8	.1		1.1	2.1	969
AUG		32.5	53.1			.8	53.2	.6			.1	.7	981
SEP		14.6	32.9		.1	.9	32.4	1.9			.1	2.0	950
OCT		6.7	22.7		1.5	.9	22.6	3.6				3.8	982
NOV		1.8	14.9		8.0	.5	19.2	4.3	.2	.1	.2	4.7	949
DEC		.3	10.0	.2	14.3	.1	20.2	8.9	.6	.6	.4	10.1	982
TOTALS		10.4	25.4	.1	6.6	.6	29.6	3.6	.1	.3	.9	5.7	11513



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)
3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.



- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 56	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



DATA PROCESSING BRANCH  
USAF FTAC  
AFD WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
PRECIPITATION  
(FROM DAILY OBSERVATIONS)

27.04 WITLAND AFB VH

47-79

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	77.3	11.4	2.1	4.0	2.1	1.9	1.0	.3						11.4	968	.37	1.77	.00
FEB	72.3	13.5	1.6	4.6	2.1	4.6	1.1							14.2	895	.40	1.42	.04
MAR	74.8	11.7	2.3	4.7	2.0	2.4	1.3	.6						13.5	981	.50	2.18	TRACE
APR	79.9	10.8	1.6	2.9	1.2	2.2	1.0	.3	.1					9.3	924	.40	1.76	TRACE
MAY	77.4	13.2	3.1	4.3	1.4	2.5	1.4	.6						13.3	982	.48	2.40	.01
JUN	70.9	17.6	2.1	3.9	2.3	1.4	.9	.6	.2					11.5	950	.50	1.71	TRACE
JUL	43.4	27.2	3.9	9.2	5.0	6.0	3.3	1.9	.1					29.3	969	1.37	3.33	.04
AUG	46.8	24.5	3.2	5.9	5.8	6.5	3.6	1.6	.2					26.7	981	1.34	3.30	TRACE
SEP	67.3	15.6	1.6	5.3	2.5	4.7	2.0	.9	.1					17.2	950	.84	1.94	TRACE
OCT	77.0	9.8	1.9	3.0	2.2	2.5	2.3	.9	.3					13.2	982	.91	3.08	.00
NOV	80.4	9.2	1.3	3.7	2.2	2.1	1.1	.1						10.4	950	.31	1.24	.00
DEC	79.5	8.0	1.8	4.0	1.5	3.0	1.6	.5						12.4	982	.49	1.85	.00
ANNUAL	70.2	14.4	2.2	5.0	2.4	3.3	1.7	.7	.1					15.4	11514	7.81		

1210 WS FORM  
JUL 64 0-15-5 (OL1)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



1. CLIMATE TOLOGY - PARCH  
2. STATION SERVICE/MAC

# EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

2 34 KIRTLAND AFB NM

47-79

STATION

STATION NAME

YEARS

## 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47									.44	.31	.22	.54	
48	.11	.42	.19	.16	.46	.43	.29	.22	.51	.28	.11	.05	.51
49	.20	.16	.53*	.09	.84	.08	.92	.45	.35	.07	.30	.52	.62
50	* .02	.21	.04	.23	.04	.16	.40	.03	.26	.01	TRACE	.03	.40
51	.26	.12	.23	.35	.10	.02	.49	.64	.05	.24	.57	.25	.64
52	.10	.14	.29	.55	.38	1.61	.53	.22	.14	.00	.19	.09	1.61
53	TRACE	.17	.36	.52	.02	.35	.28	.26	.05	.28	.33	.14	.52
54	.07	.04	.15	TRACE	.20	.01	.39	.25	.24	.17	.22	.14	.39
55	.25	.11	TRACE	.04	.18	.31	.75	.48	1.92	.06	TRACE	.14	1.92
56	.19	.37	TRACE	TRACE	.13	.27	.58	.27	.02	.34	.03	.30	.58
57	.55	.27	.38	.28	.17	.04	.69	.38	TRACE	1.01	.63	.28	1.01
58	.13	.12	.57	.36	.33	.10	.06	.35	.77	.62	.32	.81	.81
59	.08	.03	.25	.22	.51	.58	.18	1.11	.38	.60	.05	.65	1.11
60	.19	.18	.17	.14	.26	.85	.23	.34	.20	1.30	.07	.16	1.30
61	.15	.03	.27	.50	.01	.11	1.64	.75	.78	.25	.20	.23	1.64
62	.87	.04	.10	.08	.01	.18	.72	TRACE	.33	.22	.36	.26	.87
63	.20	.11	.30	.11	.02	.09	.44	1.00	.28	.36	.19	TRACE	1.00
64	.05	.37	.08	.37	.15	TRACE	.88	.48	.39	.04	.15	.44	.88
65	.39	.20	.38	.20	.15	.36	.72	.25	.43	.46	.25	.34	.72
66	.35	.18	TRACE	.04	.01	.76	.64	.40	.49	.54	.08	.01	.76
67	.01	.30	.13	TRACE	.03	.42	.23	1.03	.30	.13	.11	.27	1.03
68	.01	.34	.75	.20	.57	.05	.95	.50	.24	.08	.32	.26	.95
69	.05	.18	.18	1.66	.68	.58	.51	.53	.78	1.74	.01	.46	1.74
70	TRACE	.24	.17	.05	.30	.14	.40	.98	.44	.18	.08	.21	.98
71	.26	.16	.02	.35	.08	.01	.24	.34	.45	.53	.29	.39	.53
72	* .00	.12	.08	TRACE	.10	.22	.44	.95	.72	.94	.25	.28	.95
73	.52	.14	.90	.69	.29	1.08	.75	.27	.66	.21	.09	.02	1.08
74	.35	.06	.76	.14	.01	.10*	.58	.27	.95	.46	.31	.27	.95
75	.14	.32	.48	.08	.29	TRACE	.39	.55	.58	TRACE	.23	.22	.65
76	.00	.19	.02	.22	.21	.57	.29	.22	.23	.03	.24	.10	.57
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-38-5 (OU)



USAR ETAC FORM U-88-S (OLD)



U. S. AIR FORCE  
 AIRCRAFT  
 SERVICE/MAC

# EXTREME VALUES MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

2 004 AIRFIELD AFB NM 47-79  
 STATION STATION NAME YEARS

## TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR.	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47									.67	.31	.45	1.05	
48	.16	1.42	.41	.33	.94	.57	.46	.51	.80	.60	.11	.11	5.44
49	.61	.29	.65*	.09	1.35	.32	2.21	.72	.87	.14	.00	.59	* 7.84
50	* .02	.38	.04	.27	.06	.23	2.00	.08	1.01	.01	TRACE	.00	* 4.10
51	.41	.27	.29	.36	.10	.02	.65	2.22	.05	.37	.14	.28	5.38
52	.20	.17	.59	.76	.65	1.64	1.91	1.10	.34	.00	.53	.20	6.09
53	TRACE	.43	.74	.69	.03	.35	.53	.59	.06	.46	.91	.29	5.08
54	.20	.07	.24	TRACE	.51	.01	1.45	.65	.77	.25	.22	.14	4.51
55	.29	.18	TRACE	.04	.53	.33	1.60	1.32	1.94	.76	TRACE	.22	6.51
56	.46	.49	TRACE	TRACE	.18	.43	1.49	.62	.02	.34	.03	.00	4.06
57	.78	.59	.52	.38	.35	.04	2.48	1.32	TRACE	2.59	1.24	.32	10.61
58	.21	.27	1.71	.62	.43	.22	.14	1.74	1.34	1.72	.37	1.35	10.12
59	.17	.34	.42	.43	.80	.78	.73	2.79	.36	1.70	.07	1.85	10.14
60	.34	.38	.44	.19	.71	.91	.47	.78	.56	2.88	.07	.39	8.12
61	.23	.10	.61	.73	.01	.11	2.70	1.69	1.09	.47	.40	.65	3.87
62	1.01	.11	.18	.07	.01	.19	1.24	TRACE	.71	.75	.61	.51	5.39
63	.29	.24	.55	.14	.03	.11	1.43	3.00	.63	.76	.29	TRACE	7.47
64	.07	1.12	.13	.61	.35	TRACE	1.87	.98	1.57	.04	.21	.49	7.44
65	.47	.60	.49	.49	.19	.99	1.65	.61	1.18	.89	.33	1.42	9.31
66	.42	.30	TRACE	.04	.02	1.66	1.63	1.06	1.04	.54	.09	.01	6.81
67	.01	.44	.25	TRACE	.04	1.71	.61	3.30	.79	.18	.15	.56	8.04
68	.01	.98	1.40	.51	.99	.05	3.33	1.49	.30	.12	.59	.82	10.67
69	.08	.34	.41	1.76	1.31	.59	.94	.95	1.08	2.37	.01	.72	10.56
70	TRACE	.27	.42	.05	.33	.40	1.22	2.24	.79	.25	.08	.23	6.28
71	.27	.21	.03	.78	.16	.02	1.05	.87	1.44	1.15	.67	1.40	6.05
72	* .00	.12	.08	TRACE	.18	.55	1.00	2.43	1.00	3.03	.69	.36	* 9.99
73	.85	.33	2.18	.91	.66	1.37	1.80	1.19	1.13	.35	.08	.03	10.88
74	.88	.11	.85	.14	.01	.22*	1.41	.79	1.58	1.96	.38	.51	* 8.84
75	.26	.99	.95	.10	.66	TRACE	1.43	1.40	1.66	TRACE	.28	.28	8.01
76	.00	.40	.09	.31	.82	.60	1.32	.73	.45	.03	.24	.20	5.19
MEAN													
S. D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (01)



(USAF ETAC FORM 0-88-5 (OLI))



DATA PROCESSING BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL  
(FROM DAILY OBSERVATIONS)

22004 KIRTLAND AFB NM

47-79

STATION

STATION NAME

YEARS

PRECIP.	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-64	65-104	105-154	155-254	255-504	OVER 504					
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	84.4	9.9	1.5	2.0	1.1	.3	.4	.3						5.7	968	2.6	9.5	.0
FEB	81.3	11.2	2.2	3.6	1.2	.3	.1							7.5	884	2.1	8.2	TRACE
MAR	84.8	10.4	1.7	1.2	1.0	.5	.2		.1					4.8	981	2.0	13.9	.0
APR	94.6	4.7	.2	.2	.1	.1			.1					.6	923	.4	5.1	.0
MAY	99.4	.4	.1	.1										.2	982	TRACE	1.0	.0
JUN	99.9	.1													950	TRACE	TRACE	.0
JUL	100.0														969	.0	.0	.0
AUG	100.0														961	.0	.0	.0
SEP	99.9	.1													950	TRACE	TRACE	.0
OCT	98.5	1.2	.2	.1										.3	982	TRACE	.5	.0
NOV	91.6	6.2	.5	.7	.6	.3								2.2	950	.9	7.5	.0
DEC	85.3	7.8	2.1	2.7	.9	.5	.2	.1	.2					6.8	982	2.9	14.7	.0
ANNUAL	93.3	4.3	.7	.9	.4	.2	.1	.0	.0					2.4	11512	10.9		







USAF ETAC FORM 0-88-5 (OLD)



CLIMATE REPORT  
STATION SERVICE/MAO

# EXTREME VALUES MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

STATION AIRLAND AFB NM  
STATION NAME

47-79  
YEARS

## TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47											5.7	5.1	
48	3.0	6.1	1.0	.0	.0	.0	.0	.0	.0	.0	TRACE	.2	10.3
49	2.8	2.4	3.0*	1.0	.0	.0	.0	.0	.0	TRACE	.0	5.0	* 14.0
50	*TRACE	*TRACE	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	TRACE	.0	*TRACE
51	6.0	1.0	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	5.0	10.0
52	TRACE	TRACE	2.0*	TRACE	.0	.0	.0	.0	.0	.0	2.7	.9	= 5.6
53	TRACE	3.0	TRACE	.0	.0	.0	.0	.0	.0	.0	7.5	3.7	15.0
54	2.9	TRACE	TRACE	.0	TRACE	.0	.0	.0	.0	.0	.0	1.4	4.3
55	3.0	1.2	TRACE	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	5.2
56	2.9	4.5	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.0	7.4
57	1.5	TRACE	TRACE	TRACE	.0	.0	.0	.0	.0	TRACE	TRACE	2.9	4.4
58	2.3	.5	7.3	TRACE	.0	.0	.0	.0	.0	TRACE	2.2	14.2	26.6
59	1.7	.0	4.0	TRACE	.0	.0	.0	.0	.0	TRACE	.0	14.7	21.0
60	1.0	.0	2.0	.0	.0	.0	.0	.0	.0	.0	.0	2.5	7.9
61	.0	.4	3.0	TRACE	.0	.0	.0	.0	.0	TRACE	3.4	2.4	9.0
62	4.0	TRACE	.2	.0	.0	.0	.0	.0	.0	.0	TRACE	1.0	5.2
63	2.5	.0	2.5	.0	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
64	.5	8.2	1.3	TRACE	.0	.0	.0	.0	.0	.0	TRACE	.3	19.3
65	1.4	3.6	TRACE	TRACE	.0	.0	.0	.0	.0	.0	TRACE	3.0	8.0
66	5.4	1.0	.0	TRACE	.0	.0	.0	.0	.0	.0	TRACE	TRACE	5.0
67	TRACE	1.0	1.1	TRACE	.0	.0	.0	.0	.0	.0	1.0	2.5	6.1
68	TRACE	2.0	1.4	TRACE	.0	.0	.0	.0	.0	.0	TRACE	7.4	10.0
69	TRACE	1.0	5.5	TRACE	.0	.0	.0	.0	.0	.0	TRACE	1.1	9.4
70	TRACE	2.7	3.3	.0	.0	.0	.0	.0	.0	.0	TRACE	.5	7.0
71	3.0	2.3	.5	TRACE	.0	.0	.0	.0	TRACE	TRACE	TRACE	5.5	12.6
72	* .0	1.1	.0	TRACE	.0	.0	.0	.0	.0	TRACE	2.9	1.2	* 5.2
73	9.5	1.8	13.9	8.1	.0	.0	.0	.0	.0	.0	.0	.1	34.3
74	9.3	.6	2.0	.0	.0	.0*	.0	.0	.0	.0	TRACE	4.9	* 16.3
75	.9	6.7	3.8	.2	.0	.0	.0	.0	.0	.0	.0	2.9	14.7
76	.0	TRACE	.5	.2	.0	.0	.0	.0	.0	TRACE	2.4	1.2	4.3
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (01)



FROM DAILY OBSERVATIONS

2	524	RIPTLAND AFB NM
STATION		STATION NAME

47-79

**YEARS**

## TOTAL MONTHLY SNOWFALL IN INCHES

[illegible]

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-86-5 (OUT)



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/440

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

27 04 HIGHLAND AFB MH

47-79

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000	MEAN			GREATEST	LEAST	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4						
SNO W- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120						
JAN	11.8	10.1	4.5	1.2	.9	1.3								5.1	966				
FEB	90.7	5.5	2.0	1.6	.2									3.9	895				
MAR	96.5	1.9	.9	.4		.1	.1							1.5	981				
APR	99.5	.5	.1			.1								.2	924				
MAY	99.9	.1													982				
JUN	100.0														950				
JUL	100.0														969				
AUG	100.0														981				
SEP	100.0														950				
OCT	100.0														982				
NOV	96.4	2.2	.8	.3	.2									1.4	950				
DEC	83.1	19.5	4.0	1.4	.4	.3	.3							6.4	981				
ANNUAL	95.7	2.5	1.1	.4	.1	.1	.0							1.8	11513				



LOCAL CLIMATOLOGY BRANCH  
 12-17-79  
 AIR WEATHER SERVICE/MAC

# EXTREME VALUES SNOW DEPTH

FROM DAILY OBSERVATIONS

2/14 KIRTLAND AFB NM

47-79

STATION

STATION NAME

YEARS

## DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
47													
48	1	1	0	0	0	0	0	0	0	0	0	0	1
49	1	1	TRACE	0	0	0	0	0	0	0	0	0	2
50	*	0	0	0	0	0	0	0	0	0	0	0	0
51	2	2	0	0	0	0	0	0	0	0	0	0	3
52	0	0	0	0	0	0	0	0	0	0	0	1	1
53	TRACE	1	0	0	0	0	0	0	0	0	0	1	1
54	1	0	0	0	0	0	0	0	0	0	0	0	1
55	TRACE	0	0	0	0	0	0	0	0	0	0	0	1
56	TRACE	0	0	0	0	0	0	0	0	0	0	0	0
57	0	0	0	0	0	0	0	0	0	0	0	0	1
58	1	0	1	0	0	0	0	0	0	0	0	2	11
59	0	TRACE	4	0	0	0	0	0	0	0	0	0	10
60	0	TRACE	2	0	0	0	0	0	0	0	0	0	2
61	TRACE	TRACE	2	0	0	0	0	0	0	0	0	0	TRACE
62	0	0	0	0	0	0	0	0	0	0	0	0	TRACE
63	0	TRACE	2	0	0	0	0	0	0	0	0	0	0
64	TRACE	0	1	0	0	0	0	0	0	0	0	0	TRACE
65	1	2	TRACE	0	0	0	0	0	0	0	0	0	2
66	0	TRACE	0	0	0	0	0	0	0	0	0	0	0
67	0	1	TRACE	0	0	0	0	0	0	0	0	TRACE	1
68	TRACE	2	1	0	0	0	0	0	0	0	0	TRACE	2
69	TRACE	1	2	0	0	0	0	0	0	0	0	0	TRACE
70	0	TRACE	1	0	0	0	0	0	0	0	0	0	0
71	0	2	TRACE	0	0	0	0	0	0	0	0	TRACE	5
72	*	0	1	0	0	0	0	0	0	0	0	0	1
73	0	0	0	0	0	0	0	0	0	0	0	TRACE	TRACE
74	0	TRACE	TRACE	0	0	0	0	0	0	0	0	TRACE	3
75	0	1	TRACE	0	0	0	0	0	0	0	0	0	TRACE
76	0	0	TRACE	0	0	0	0	0	0	0	0	1	1
MEAN													
S.D.													
TOTAL OBS.													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (00)



USAF ETAC FORM 0-80-5 (OUT)



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\* Values for means and standard deviations do not include measurements from incomplete months.



2.

SURFACE 41.00

FROM DAILY OBSERVATIONS.

7C-79

YÉARS

## DAILY PEAK GUSTS IN KNOTS

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

5. (BASED ON LESS THAN FULL MONTHS AND +100 KNQIS)



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	6.6	10.4	4.6	.6							22.9	8.4
NNE	.3	2.6	4.6	2.3								9.8	8.4
NE	.3	2.9	2.0									5.3	6.2
ENE	.8	1.2	.8	.1								2.8	5.5
E	.5	2.4	.9	.8	1.0	.2	.1					5.8	9.4
ESE	1.0	2.3	1.3	.4		.4						5.4	7.4
SE	1.4	4.9	2.3	.1								8.7	5.6
SSE	1.2	3.1	2.4	.3								7.0	6.0
S	1.0	3.7	1.6	.2								6.5	5.7
SSW	.6	1.3	.9	.2								3.0	6.3
SW	.1	.8	.6	.1								1.6	6.5
WSW	.2	.9	.3	.4								1.4	7.6
W	.2	1.1	.6	.4								2.4	7.5
WNW	.3	1.2	.4	.1	.1							2.2	7.0
NW	1.1	1.7	.9	.3								4.0	5.8
NNW	.4	1.8	1.9	1.6	.5							6.3	8.9
VARBL													
CALM												5.1	
	10.1	37.8	31.9	12.0	2.3	.6	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	6.7	13.3	5.7	.8							27.4	8.6
NNE	.5	2.5	3.8	2.4								9.1	8.1
NE	.1	2.5	1.5	.2								4.3	6.2
ENE	.5	1.7	.2		.2							2.7	5.4
E	1.1	1.7	.5	1.2		.4	.1					5.1	9.1
ESE	.6	2.9	.4	.3	.3	.1	.1					4.8	7.4
SE	.5	4.6	1.8	.1								7.1	5.6
SSE	1.1	3.0	2.2									6.2	5.6
S	1.2	2.7	1.7	.4								6.0	6.1
SSW	.8	1.0	.8	.1	.1							2.7	6.2
SW	.5	.5	.9	.1								2.0	6.4
WSW	.4	1.2	.6	.2								2.5	6.2
W	1.0	.8	1.0	.1								2.8	5.7
WNW	.6	1.6	.8	.3								3.3	5.8
NW	.2	1.9	.8	.6								3.5	7.0
NNW	.3	1.9	1.5	.6	.2							4.6	7.3
VARBL													
CALM												5.7	
	10.5	37.2	31.7	12.5	1.6	.5	.2					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23604  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.3	13.2	4.1	.2							24.9	8.1
NNE	.6	2.6	4.4	1.7	.2							9.6	8.3
NE	1.0	1.8	1.8	.8								5.4	6.8
ENE	.4	1.8	.6	.3								3.2	5.9
E	.9	1.7	.3	.8	.9	.3	.2					5.1	10.9
ESE	.5	2.2	.3		.2	.1						3.3	6.2
SE	1.0	3.3	1.9									6.2	5.6
SSE	1.2	2.6	1.0	.1								4.8	5.2
S	1.0	4.8	2.4	.3	.1	.1						8.7	6.2
SSW	.6	1.3	.8	.1		.2						3.0	6.9
SW	.6	1.1	.5	.3	.1							2.7	6.8
WSW	.5	1.4	.3	.3								2.6	5.6
W	.9	2.4	.8	.2								4.2	5.4
WNW	.1	2.0	.6									2.8	5.4
NW	.4	1.3	.8	.2								2.7	6.1
NNW	.2	2.2	1.7	.8								4.8	7.2
VARBL													
CALM												5.9	
	11.1	38.8	31.5	10.0	1.7	.8	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	7.1	13.0	6.5	1.3							29.2	5.8
NNE	.4	1.6	2.0	1.6	.1							5.8	8.4
NE	.2	.6	.4	.1								1.4	6.2
ENE	.2	.5	.2									1.0	5.0
E	1.0	.6	.2	.8	.4	.2						3.2	9.4
ESE	.4	.8	.4	.2	.2	.2	.2					2.5	10.9
SE	.5	1.4	.4									2.4	5.0
SSE	.5	2.3	1.0									3.8	5.5
S	1.6	4.3	3.8	.8	.2							10.6	6.5
SSW	.3	2.2	2.2	.4	.2							5.3	7.3
SW	1.1	1.7	1.4	1.0			.1					5.3	7.3
WSW	.4	1.4	1.1	.4								3.3	6.8
W	1.2	2.7	.8	.5	.3							5.5	6.3
WNW	.2	1.9	1.0	.1	.2	.1	.1					3.7	8.3
NW	.6	2.6	1.4	.3	.1							5.1	6.2
NNW	.5	4.2	2.0	1.2	.4							8.4	7.5
VARBL													
CALM												3.7	
	10.8	35.9	31.3	13.9	3.5	.5	.4					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23604  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70, 73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	4.7	5.2	4.1	.9							15.7	9.1
NNE		1.5	2.0	.8	.1							4.4	8.2
NE	.3	.6	.4	.1								1.5	6.0
ENE	.4	.6	.1									1.2	4.5
E	.3	.4	.2	.5	.3	.2						2.0	11.5
ESE	.4	.8	.4	.5	.1	.2	.4					2.9	12.5
SE	.8	1.3	.1									2.2	4.3
SSE	.4	1.4	.2	.1								2.2	5.1
S	1.0	4.0	2.7	.5								4.2	6.2
SSW	1.2	2.3	2.0	1.6	.3							7.4	7.9
SW	1.1	3.3	2.7	.9	.1	.3						8.4	7.5
WSW	1.0	2.3	1.3	1.0	.6	.1						6.2	8.1
W	1.2	4.8	2.5	1.8	1.0	.5	.3					12.2	8.9
WNW	.5	2.4	1.6	.6	.3	.2	.1					5.8	8.5
NW	1.2	2.6	3.3	1.4	.6	.4						9.5	8.7
NNW	.5	2.0	2.6	1.9	.4	.3						7.9	9.3
VARBL													
CALM												2.4	
	11.1	35.1	27.4	15.9	4.8	2.4	.9					100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

929



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME68-70, 73-79  
YEARSJAN  
MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.8	6.2	7.2	1.7							20.0	10.1
NNE	.1	.4	1.4	1.8	.1							3.9	10.1
NE	.1	.4	.5	.1								1.2	6.7
ENE	.1	.5	.1									.8	5.6
E	.4	.8	.3	.8	.2	.1	.1					2.7	10.4
ESE	.8	.6	.1	.3	.4	.3		.1				2.7	11.2
SE	.4	.9										1.3	4.3
SSE	.3	1.4	.1									1.8	4.7
S	1.0	4.6	2.4	.3		.1						8.4	6.0
SSW	1.1	3.7	2.3	.5	.2							7.7	6.7
SW	.9	3.3	1.6	.9		.2						6.9	7.0
WSW	1.3	3.9	1.4	.6	.3	.2						7.7	6.6
W	3.2	2.8	1.2	2.5	1.8	.5	.2					12.3	9.7
WNW	.4	1.2	.9	1.3	.2	.2						4.2	9.7
NW	.3	2.4	1.5	2.2	1.2							7.5	10.2
NNW	.2	.8	1.8	2.5	.9	.6	.3					7.1	13.2
VARBL													
CALM												3.9	
	11.7	31.4	21.8	21.0	7.1	2.4	.6	.1				100.0	8.6

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23304  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	3.7	9.8	8.6	1.1							23.9	9.9
NNE	.4	2.4	4.3	2.5								9.6	8.4
NE	.3	1.5	.6	.2								2.7	6.3
ENE	.3	.4	.2	.2								1.2	5.5
E	.3	2.2	1.0	.8	.6			.3				5.2	10.5
ESE	1.0	3.1	.5	.3	.1	.3						5.4	6.8
SE	1.1	5.4	1.1	.2								7.8	5.4
SSE	.8	2.3	.3									3.3	5.0
S	.9	4.2	1.5	.8	.1							7.4	6.2
SSW	.3	1.8	.6	.5								3.3	6.4
SW	.3	1.3	1.5	.4								3.6	7.3
WSW	.6	1.1	1.2	1.0								3.9	7.6
W	.5	2.2	.9	1.8	.1	.3						5.8	8.8
WNW	.6	1.1	1.2	.5								3.4	7.1
NW	.4	1.3	.9	.8	.6	.1	.1					4.2	10.2
NNW	.3	1.9	1.9	.9	.3	.2						5.6	9.0
VARBL													
CALM												3.8	
	9.0	35.7	27.6	19.5	3.0	1.0	.1	.3				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 929



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70,73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.8	10.3	5.4	.6	.1						23.3	8.7
NNE	.9	3.3	3.8	2.4	.2							10.5	8.0
NE	.4	1.8	2.2	.2								4.6	6.7
ENE	.4	1.8	.4	.2								2.9	5.7
E	.8	1.7	1.1	.5	1.1	.1	.1	.1				5.5	10.1
ESE	.5	4.6	.9	.5	.2	.1						6.9	6.4
SE	.5	4.7	1.6	.2								7.1	5.7
SSE	.6	3.3	2.2	.2								6.3	5.9
S	.8	3.2	1.7	.4								6.1	6.2
SSW	.4	.5	.2	.8								1.9	7.8
SW	.1	1.0	.6	.4	.1							2.3	7.8
WSW	.3	.6	.6	.2								1.8	6.2
W		1.2	1.3	.2	.1							2.6	7.3
WNW	.8	1.1	1.1	.2	.1							3.2	6.4
NW	.4	1.5	.8	.3	.2							3.4	7.5
NNW		1.9	2.7	1.7	.1							6.5	8.8
VARB.													
CALM												4.9	
	8.1	38.3	31.2	14.2	2.8	.3	.1	.1				107.0	7.2

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

58-70, 73-79  
YEARS

JAN  
MONTH

ALL WEATHER  
CLASS

ALL  
MOUSE (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.6	10.2	5.8	.9	.0						23.4	8.9
NNE	.4	2.1	3.3	1.9	.1							7.8	8.4
NE	.3	1.5	1.2	.2								3.3	6.4
ENE	.4	1.1	.3	.1	.0							2.0	5.6
E	.7	1.4	.6	.8	.6	.2	.1	.1				4.3	10.1
ESE	.7	2.2	.6	.3	.2	.2	.1	.0				4.2	8.0
SE	.8	3.3	1.2	.1								5.3	5.5
SSE	.8	2.4	1.2	.1								4.4	5.6
S	1.0	3.9	2.2	.5	.1	.0						7.7	6.2
SSW	.7	1.7	1.2	.5	.1	.0						4.3	7.0
SW	.6	1.6	1.2	.5	.0	.1	.0					4.1	7.2
WSW	.6	1.5	.9	.5	.1	.0						3.7	7.0
W	1.0	2.2	1.1	1.0	.4	.2	.1					6.0	8.1
WNW	.5	1.6	.9	.4	.1	.1	.0					3.6	7.5
NW	.6	1.9	1.3	.8	.3	.1	.0					5.0	8.1
NNW	.3	2.1	2.0	1.4	.4	.1	.0					6.4	9.0
VARBL													
CALM												4.4	
	10.3	36.3	29.3	14.9	3.4	1.1	.3	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

7438



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	5.8	10.3	2.7	.1							19.5	7.9
NNE	.5	2.8	4.6	.2								8.2	7.0
NE	.6	3.1	1.4	.2								5.3	5.9
ENE	.4	1.9	.7		.2							3.2	6.8
E	.7	2.6	1.5	2.0	.5	.4	.2	.1				8.3	10.0
ESE	.6	2.1	1.3	1.3	1.2	.5	.4					7.3	11.5
SE	.8	6.4	2.2		.1							9.6	5.6
SSE	.2	3.0	1.2									4.4	5.6
S	.8	4.0	3.0	.1								7.9	6.3
SSW	.4	2.0	1.1	.5								3.9	6.7
SW	.6	.9	.6	.1								2.2	5.8
WSW		.7	.5	.5								1.7	7.8
W	.4	1.7	1.2	.4	.1							3.7	6.9
WNW	.6	1.7	.1	.2	.1							2.7	5.8
NW	.1	1.3	.8		.2							2.5	7.2
NNW	.5	1.8	1.9	.5	.4							5.0	7.9
VARBL													
CALM												4.7	
	7.9	41.7	32.4	8.7	3.0	.8	.5	.1				100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 846



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 53	≥ 56	%	MEAN WIND SPEED
N	.9	6.6	13.1	2.4								23.5	7.6
NNE	.4	3.3	3.9	.8								6.4	7.4
NE	.5	3.0	1.9	.1								5.4	5.8
ENE	.8	2.0	.7	.1								3.7	5.3
E	.9	2.2	.9	2.1	1.4			.2				7.9	11.0
ESE	.7	3.1	.7	.5	.2	.6	.1					5.9	8.8
SE	.8	5.1	1.4	.1	.1							7.6	5.6
SSE	.5	3.5	1.2									5.2	5.1
S	.6	3.2	2.0	.2	.1							6.1	5.2
SSW	.5	1.2	.2	.5								2.4	6.1
SW	.4	.8	1.2	.6								3.0	7.5
WSW	.4	.6	1.2	.4	.1							2.6	8.1
W	.6	.9	.5	.5								2.5	6.9
WNW	.7	2.6	.4									3.7	4.9
NW	.5	1.4	.7	.2	.4							3.2	7.0
NNW	.5	1.4	1.7	1.1	.1							4.8	7.8
VARBL													
CALM												4.6	
	9.7	41.0	31.7	9.6	2.5	.6	.1	.2				100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

846



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23609  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

6600-0800  
HOURS (LST)

CONDTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	9.9	10.5	3.3								24.8	7.4
NNE	.8	7.0	3.4	.7	.1							7.1	7.3
NE	.7	2.7	1.2									4.6	5.3
ENE	.6	1.1	.1	.1								1.9	4.8
E	.8	1.4	.4	1.3	.9	.2	.2					5.3	11.3
ESE	1.3	1.8	.6	.6	.6	.5						5.3	8.9
SE	1.1	4.5	1.7	.1								7.3	5.3
SSE	.7	3.2	.7	.1								4.7	5.2
S	1.3	3.8	2.5	.4								7.9	6.1
SSW	.5	.5	.5	.1								1.5	5.9
SW	.7	1.1	.5	.1	.1							2.5	5.7
WSW	.7	1.5	.5	.5	.1							3.3	6.6
W	.8	1.5	.7	.5	.2							3.8	7.0
WNW	.9	1.9	.1			.1						3.1	5.3
NW	.4	2.0	.7	.1	.4							3.5	6.9
NNW	.4	2.8	2.2	.2								5.7	6.3
VARBL													
CALM												7.6	
	12.8	41.7	26.2	8.2	2.5	.8	.2					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

846



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23504  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	6.7	9.2	3.7	.4	.1						21.2	8.0
NNE	.6	1.9	1.4	.8								4.7	6.6
NE	.7	.4	.6	.2								2.1	6.3
ENE	.5	.7	.2	.4								1.8	6.1
E	.5	1.1	.2	.5	.6	.4						3.2	10.7
ESE	.6	.9	.4	.4	.7	.2	.4					3.5	12.2
SE	.4	1.8	.4	.2								2.7	5.6
SSE	.9	1.4	.6	.1								3.1	5.3
S	.9	3.4	1.9	.7								7.0	6.3
SSW	.9	2.1	1.7	.9								5.7	6.8
SW	.9	4.0	1.9	1.1								7.9	5.5
WSW	.7	2.1	1.2	.4	.1							4.5	6.7
W	1.2	2.4	1.2	.6	.4	.4	.5					6.5	9.5
WNW	1.1	3.3	.4	.5	.2	.1						5.6	6.2
NW	1.5	3.4	1.2	.1	.5	.2						7.6	6.6
NNW	.9	5.0	2.2	2.0	.4	.5						11.0	8.1
VARB.													
CALM												2.6	
	13.5	40.7	24.8	12.5	3.2	1.9	.8					100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

846



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.3	3.4	2.2	.8							10.5	8.7
NNE	.1	1.3	.8	.4								2.6	7.1
NE	.7	.7	.1									1.5	4.3
ENE		.1	.1									.2	6.5
E	.2	.7	.6	1.1	.5	.1						3.2	11.7
ESE	.5	.7	.1	.5	.9		.4					3.1	13.1
SE		.8	.5	.8	.1							2.2	9.0
SSE		1.3		.1								1.4	5.2
S	.9	4.0	2.6	1.2		.1						8.9	7.1
SSW	.1	2.4	3.3	1.5	.1	.5						7.9	9.2
SW	.7	4.3	4.3	1.3	.1							10.6	7.1
WSW	.8	3.1	1.7	.7								6.3	6.5
W	.9	7.1	2.8	1.1	1.3	.6	.1					13.9	8.4
WNW	.5	3.2	.8	.6	.2	.2	.1					5.7	7.8
NW	.7	3.8	2.5	2.2	.7	1.2		.1				11.2	10.5
NNW	.6	1.7	3.4	2.2	.8	.4	.1					9.2	10.4
VARBL													
CALM												1.4	
	7.6	38.4	27.1	16.0	5.7	3.1	.7	.1				100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

846



GLOBAL CLIMATOLOGY BRANCH  
USAFCTAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.0	2.2	3.6	1.5	.2						10.3	11.2
NNE	.4	.2	.5	1.3	.2							2.6	10.5
NE	.4	.7	.8	.1								2.0	6.3
ENE		.4			.1							.5	8.0
E	.4	.4	.8	.9	.6	.2						3.3	11.8
ESE	.5	.1	.1	.5	1.3	.4	.1					3.0	14.8
SE	.4	.8	.5	.2								1.9	6.1
SSE	.2	2.1	.6									3.0	5.3
S	.2	4.0	2.1	.7	.6	.2						7.9	8.2
SSW	.6	4.3	3.1	.9	.5	.1						9.5	7.6
SW	1.1	4.7	4.3	.4	.1	.2	.1					10.9	7.2
WSW	1.3	2.0	2.1	.4	.5							6.3	7.3
W	1.5	3.2	1.7	2.8	.8	.7						10.8	9.7
WNW	.5	.8	1.1	.9	.4	.7						4.4	11.4
NW	.6	1.3	1.9	3.7	2.1	.8						10.4	13.0
NNW	.2	.9	2.2	4.7	2.2	.5						10.9	13.1
VARBL													
CALM												2.5	
	8.9	28.0	24.0	21.2	11.0	4.1	.2					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 845



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	2.1	9.9	7.8	1.2	.1						21.7	10.4
NNE	.4	1.3	2.7	2.4								6.7	9.2
NE		1.5	1.1	.5								3.1	7.2
ENE	.1	1.5	.4									2.0	5.7
E	.9	2.4	1.4	.4	.4							5.4	7.0
ESE	.4	2.7	1.1	2.1	1.5	.2						8.0	10.9
SE	.9	3.8	1.7	.4			.1					6.9	6.2
SSE	.4	3.2	.8									4.4	5.3
S	1.4	3.9	1.8	.7								7.8	6.1
SSW	.2	2.1	.9	.4		.1						3.6	7.3
SW	.5	.9	1.2	.6	.4							3.5	8.2
WSW	.6	2.1	.7	.4	.1							3.9	6.3
W	.7	1.9	1.5	1.4	.1							5.7	8.0
WNW	.4	1.3	1.4	1.2	.6	.1						5.0	10.2
NW		.8	1.2	1.7	.5							4.1	10.6
NNW		.8	2.1	2.1	.8	.1						6.0	11.6
VARBL													
CALM												1.9	
	7.4	32.5	29.9	21.9	5.6	.7	.1					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

846



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.1	10.8	3.9	.8							20.2	8.8
NNE	.2	2.4	2.7	1.1	.1							6.5	7.9
NE	.2	2.6	1.8	.1								4.7	6.3
ENE	.4	1.4	.5									2.2	5.4
E	.6	2.4	1.3	1.8	1.4	.7						8.2	11.1
ESE	.9	3.7	1.4	1.2	1.2	.1						8.5	8.6
SE	.6	4.8	3.1	.4	.1							9.0	6.3
SSE	.7	2.8	.9									4.5	5.2
S	.6	4.1	2.2	.8								7.8	6.7
SSW	.8	.6	.8	.8								3.1	7.3
SW	.2	.9	1.4	.5								3.1	7.7
WSW	.4	1.2	.7	.2	.1							2.6	8.9
W	.2	.6	1.4	.7								3.0	8.4
WNW	.4	1.2	.6	.1								2.2	6.5
NW	.2	1.1	1.2	.5	.2							3.2	8.2
NNW	.8	.7	3.4	1.4	.2							6.6	8.4
VARBL													
CALM												4.6	
	7.9	34.6	34.3	13.5	4.3	.8						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 846



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

ALL WEATHER  
CLASS

ALL  
MOSES (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	5.1	8.7	3.7	.6	.1						18.9	8.5
NNE	.4	1.9	2.5	1.0	.1							5.9	7.7
NE	.5	1.8	1.1	.2								3.6	6.0
ENE	.3	1.1	.3	.1	.0							1.9	5.8
E	.7	1.6	.9	1.3	.8	.3	.1	.0				5.6	10.5
ESE	.7	1.9	.7	.9	1.0	.3	.2					5.6	10.6
SE	.6	3.5	1.4	.3	.1		.0					5.9	6.0
SSE	.5	2.6	.8	.0								3.8	5.3
S	.9	3.8	2.3	.6	.1	.0						7.7	6.7
SSW	.5	1.9	1.4	.7	.1	.1						4.7	7.5
SW	.6	2.2	1.9	.6	.1	.0	.0					5.5	7.0
WSW	.6	1.7	1.1	.4	.1							3.9	6.9
W	.8	2.4	1.4	1.0	.4	.2	.1					6.2	8.5
WNW	.6	2.0	.6	.4	.2	.2	.0					4.0	7.5
NW	.5	1.9	1.3	1.1	.6	.3		.0				5.6	9.6
NNW	.5	1.9	2.4	1.8	.6	.2	.0					7.4	9.6
VAREL													
CALM												3.7	
	9.5	37.3	28.8	13.9	4.7	1.6	.4	.1				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 6767



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23604  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	4.3	7.0	1.6	.1							14.0	7.5
NNE	.3	1.1	2.4	.3								4.1	7.4
NE	.8	2.0	1.6	.1								4.5	6.1
ENE	.4	2.3	.5	.1	.2							3.5	6.4
E	.2	2.0	1.1	1.0	.9	1.2						6.3	12.3
ESE	.4	1.9	1.9	1.2	1.3	.4						7.2	10.7
SE	.3	5.2	3.3		.1							8.9	6.2
SSE	.3	4.7	2.7									7.7	5.9
S	.4	4.0	3.3	.8		.1						8.6	7.0
SSW	.1	1.5	1.8	2.2		.1						5.7	9.1
SW	.4	1.1	1.9	.3								3.8	7.2
WSW	.3	1.2	1.8	.4								3.8	7.1
W	.6	1.9	2.0	1.0	.3							5.9	7.9
WNW	.4	1.5	.9	.3		.1						3.2	7.0
NW	.3	.8	2.0	.4	.2							3.8	8.4
NNW	.3	1.8	1.5	.8	.3	.1						4.8	8.6
VARBL													
CALM												4.1	
	6.8	37.3	35.9	10.4	3.4	2.0						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	5.5	8.7	1.7	.1							16.0	7.6
NNE	.2	2.5	1.0	.2								3.9	6.2
NE	.1	2.3	.8									3.1	5.8
ENE	.5	1.9	1.5	.2	.1							4.3	6.5
E	.6	1.8	.5	1.1	1.0	.9						5.9	11.5
ESE	.5	2.6	2.0	1.4	1.0	.4						8.0	9.9
SE	1.8	6.8	3.1	.1	.1							11.9	5.6
SSE	1.0	4.2	2.0									7.2	5.5
S	.8	4.7	3.0	.5	.3							9.4	6.6
SSW	.4	1.7	1.7	.6	.1							4.6	7.5
SW	.2	1.3	2.0	.4								4.0	7.5
WSW	.4	1.1	1.0	.6	.1							3.2	7.8
W	.2	1.4	1.4	1.1								4.1	8.1
WNW	.4	1.0	1.2	.5	.1							3.2	7.5
NW	.1	1.5	.6	.3		.1						2.7	7.4
NNW	.1	.9	2.6	.9								4.4	8.6
VARBL													
CALM												4.1	
	8.0	41.1	32.8	9.8	2.9	1.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.7	8.0	2.4		.1						15.6	8.1
NNE	.4	2.6	2.2	.3								5.5	6.5
NE	.5	1.8	1.1	.1								3.6	5.7
ENE	.3	1.1	.6	.1								2.2	6.1
E	.2	3.0	.5	1.1	1.7	.6	.1					7.3	11.5
ESE	.3	2.7	.5	1.0	1.0	.4	.1					6.1	10.4
SE	.9	4.2	2.7	.1	.1							8.0	5.8
SSE	.8	5.6	1.1									7.4	5.2
S	1.0	5.6	3.8	.3	.1	.1						10.9	6.4
SSW	.5	1.2	1.5	.4	.2	.1						4.0	8.1
SW	.1	1.5	.8	.8	.2	.1						3.4	8.8
WSW	.8	.6	.3	1.2	.2							3.1	8.5
W	.5	1.5	.4	.8	.8	.1						4.1	9.3
WNW	.4	1.5	.2	.6	.2							3.0	7.5
NW	.6	1.7	.9	.2	.1							3.6	6.2
NNW	.3	3.1	1.7	1.0								6.1	7.0
VARBL													
CALM												5.9	
	8.4	42.5	26.3	10.3	4.6	1.6	.2					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS

929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 71- 2  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.7	4.6	1.8	.4							12.3	7.8
NNE	.1	1.5	.6	.5								2.8	6.7
NE	.4	1.6	.3									2.4	4.9
ENE	.8	.4	.1	.1								1.4	4.5
E	.4	.9	.3	.9	1.3	.5	.1					4.4	13.7
ESE	.1	.2	.1	1.3	.8	.6	.2					3.3	17.1
SE	.1	1.1	.6	.2								2.0	6.6
SSE	.2	.9	.6	.1	.1							1.9	6.8
S	.8	4.4	2.9	1.1	.3		.2					9.7	7.8
SSW	.3	2.6	2.7	1.2	.5	.3		.1				7.8	9.7
SW	1.0	3.6	2.9	2.2	.4							10.0	8.2
WSW	.4	3.0	1.7	1.2	.9	.1						7.3	8.7
W	1.2	3.2	2.4	1.1	1.4	1.5	.2					11.0	11.2
WNW	1.1	2.2	1.0	.8	.3							5.3	7.1
NW	1.1	4.2	1.4	.8	.6	.3						8.4	7.7
NNW	.6	3.2	2.4	1.1	.9	.2						8.4	8.9
VARBL													
CALM												1.6	
	9.3	37.7	24.8	14.2	8.0	3.7	.8	.1				100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	2.3	1.7	.4	.1						7.3	9.1
NNE		1.4	.4	.2								2.0	6.3
NE	.3	.4	.6									1.4	5.9
ENE		.4	.6			.1						1.2	8.5
E		.1	.5	.5	.5	.1						1.8	14.5
ESE	.1	.5	.6	.5	1.0	.8						3.5	14.8
SE	.2	.6	.3	.3	.2							1.7	8.1
SSE	.2	.3	.5	.6	.1	.1						1.9	10.2
S	.2	2.5	3.0	1.1	.8	.5						8.1	9.8
SSW	.3	1.1	2.7	1.7	1.5	.6	.1					8.1	12.2
SW	.4	3.0	4.2	3.5	.6							11.8	9.3
WSW	.3	2.3	2.0	2.2	.8	.2	.2					6.0	10.2
W	.5	4.2	3.3	2.9	2.6	2.0	1.1					15.7	13.2
WNW	.1	2.2	2.5	1.6	.6	.9	.3					8.2	11.5
NW	.4	2.3	3.1	2.9	1.8	.5						11.1	11.2
NNW		1.8	1.2	1.6	1.5	.8						6.9	12.6
VARBL													
CALM												.3	
	3.5	25.6	26.1	21.5	12.5	6.7	1.8					100.0	11.0

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME68-70,73-79  
YEARSMAR  
MONTHALL WEATHER  
CLASS1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.0	2.2	1.8	.5	.2						5.8	10.8
NNE		.4	.5	.2	.1							1.3	8.8
NE	.1	.4	.1	.1								.5	6.1
ENE		.5	.2		.1	.1						1.0	8.9
E	.2	.3	.3	.3	.4	.6						2.3	14.6
ESE	.1	.2	.3	.2	.8	.2	.1					1.9	14.8
SE	.2	.5	.4	.4	.3							1.9	10.1
SSE	.1	1.1	.6	.2	.2	.1						2.4	8.4
S	.5	2.0	3.5	2.7	1.5	.3	.2					10.9	10.9
SSW	.3	1.6	2.4	1.9	1.1	1.0	.1					8.4	12.3
SW	.2	2.0	3.3	2.9	.3	.4	.1					9.4	10.3
WSW	.1	1.0	2.0	1.4	.3	1.0	.1					5.9	12.4
W	.3	2.3	4.3	3.5	2.5	2.8	.4					16.1	13.8
WNW	.1	1.1	2.7	3.4	1.4	1.3	.2					10.2	13.7
NW	.2	1.7	2.3	5.4	2.8	1.1	.1					12.6	13.2
NNW	.1	.6	1.4	3.7	2.4	.5	.1	.1				8.9	14.3
VARBL													
CALM												.3	
	2.8	16.9	26.7	27.3	14.7	9.7	1.5	.1				100.0	12.3

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	1.6	5.8	6.1	1.3	.1						15.2	10.9
NNE	.1	1.3	2.4	.4	.1							4.3	8.1
NE	.2	.6	1.3	.2								2.4	7.1
ENE		.5	.3	.2	.2	.1						1.4	10.1
E		1.2	.8	1.0	.6	.8						4.3	13.0
ESE	.2	1.0	1.4	.5	1.2	.3	.1					4.7	12.1
SE		1.5	1.6	.4								3.5	7.6
SSE		2.0	1.5	.1								3.7	6.6
S	.2	2.6	4.2	2.3	.6							9.9	9.2
SSW	.1	1.2	1.9	2.0	.3	.3	.1					6.0	11.8
SW	.4	1.7	1.5	1.3	.3	.2	.1					5.6	9.3
WSW	.2	1.8	1.4	.9	.6	.3						5.3	10.1
W	.3	1.7	3.0	3.0	1.0	.3	.1					9.5	11.1
WNW	.5	1.1	1.9	1.9	1.5	.3						7.3	11.6
NW	.1	1.2	2.3	3.4	1.4	.2						8.6	11.8
NNW		.6	1.7	3.5	1.0	.6						7.5	13.1
VARBL													
CALM												.9	
	2.7	21.7	33.0	27.4	10.2	3.7	.4					100.0	10.6

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

58-70,73-79  
YEARS

MAR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	4.3	8.7	3.1	.8	.1						17.5	8.9
NNE	.2	1.3	2.4	.6								4.5	7.9
NE	.3	1.2	1.1	.3	.1							3.0	7.6
ENE	.5	1.0	.6	.2	.3							2.7	7.5
E	.4	2.5	1.3	1.7	1.1	.6	.1					7.7	11.0
ESE	.4	2.4	1.9	1.3	1.6	.5	.2					2.4	11.3
SE	.8	4.4	1.7	.1								7.0	5.7
SSE	.4	3.5	2.0	.1								6.1	6.0
S	.6	4.0	2.6	1.1	.2							8.5	7.2
SSW	.6	1.6	1.5	1.0	.4							5.2	6.4
SW	.3	1.1	1.9	1.2	.1							4.6	8.8
WSW	.2	.8	.9	1.1	.2	.1						3.2	5.6
W	.2	2.3	3.2	1.1								6.8	7.8
WNW	.3	1.3	1.3	.4	.2	.1						3.7	8.2
NW	.8	1.7	1.5	.9		.1						4.9	7.5
NNW	.3	.8	1.4	1.6	.1	.1						4.3	9.9
VARB													
CALM												1.8	
	7.1	34.0	34.1	15.8	5.2	1.7	.3					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23604

KIRTLAND AFB NM

68-73, 73-79

MAR

STATION

STATION NAME

YEAR

MONTH

ALL WEATHER

CLASS

ALL

NOISE (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	3.6	5.8	2.5	.5	.1						13.0	8.7
NNE	.2	1.5	1.5	.4	.0							3.5	7.2
NE	.3	1.3	.9	.1	.0							2.6	6.2
ENE	.3	1.0	.6	.1	.1	.0						2.2	7.0
E	.3	1.5	.7	.9	.9	.7	.1					5.0	12.2
ESE	.3	1.4	1.1	.9	1.1	.5	.1					5.4	11.8
SE	.5	3.5	1.7	.2	.1							5.6	6.3
SSE	.4	2.8	1.4	.1	.1	.0						4.3	6.2
S	.6	3.7	3.3	1.2	.5	.1	.1					9.5	8.1
SSW	.3	1.6	2.0	1.4	.5	.3	.0	.0				6.2	10.2
SW	.4	1.9	2.2	1.6	.3	.1	.0					6.6	2.9
WSW	.3	1.5	1.4	1.1	.4	.2	.0					5.0	9.6
W	.5	2.3	2.5	1.8	1.1	.8	.2					9.3	11.3
WNW	.4	1.5	1.5	1.2	.6	.3	.1					5.5	10.3
NW	.5	1.9	1.8	1.7	.9	.3	.0					7.0	10.2
NNW	.2	1.6	1.7	1.8	.8	.3	.0	.0				6.4	10.7
VARIABLE													
CALM												2.4	
	6.1	32.1	30.2	17.1	7.7	3.8	.6	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS

7438



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	4.4	5.1	2.9	.1	.3						13.4	8.4
NNE	.4	1.9	2.7	.3								5.3	6.9
NE	.1	2.0	1.8	.1								4.0	6.4
ENE	.2	1.9	1.0	.3								3.4	6.6
E	.6	1.9	1.0	2.0	1.6	.4						7.4	11.5
ESE	.7	2.1	2.3	2.2	1.1							9.4	9.8
SE	.3	4.6	4.3	.4	.3	.1						10.1	7.3
SSE	.2	2.8	2.8									5.8	6.6
S	.7	4.1	3.7	.7	.1							9.2	6.9
SSW	.1	1.3	1.4	.2	.1							3.2	7.7
SW	.1	1.1	1.6	1.2	.1							4.1	8.6
WSW	.3	1.6	2.0	1.3								5.2	8.4
W	.9	1.8	2.6	1.0	.7	.1						7.0	8.5
WNW		1.7	.6	.8	.1							3.1	8.4
NW	.1	1.0	1.6	.3								3.0	7.6
NNW	.1	1.8	1.3	1.1	.2							4.6	8.4
VARBL													
CALM												2.6	
	5.4	35.1	35.7	15.0	4.4	1.0						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	5.3	8.0	1.9	.3	.1						16.6	7.9
NNE	.3	2.2	2.9	.2								5.7	6.7
NE	.7	3.1	2.1	.1								6.0	6.1
ENE	.2	2.1	1.2	.2								3.8	6.3
E	.1	3.0	1.6	2.6	1.2	.1						8.6	10.6
ESE	.3	4.6	1.1	.6	1.7	.2						8.4	9.0
SE	.4	5.2	5.4	.2								11.3	6.5
SSE	.2	4.4	4.0									8.7	6.2
S	.6	3.8	3.1	.8	.1							8.3	6.8
SSW		.2	.6	.2								1.0	8.4
SW	.1	1.7	1.1	.6	.1							3.6	7.8
WSW	.1	1.2	.9	.6	.2							3.0	8.4
W	.4	1.2	1.2	.8	.1							3.8	8.1
WNW	.2	1.2	.6	.3								2.3	7.0
NW	.3	.7	1.8	.4								3.2	7.8
NNW	.1	1.0	.8	.4								2.3	7.6
VARBL													
CALM												3.4	
	5.1	41.0	36.3	9.9	3.8	.4						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23G04  
STATIONKIRTLAND AFB NM  
STATION NAME68-70,73-79  
YEARSAPR  
MONTHALL WEATHER  
CLASS0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	7.7	7.9	2.9	.3							19.5	7.6
NNE	.6	2.0	1.4	.3								4.3	6.1
NE	.7	2.8	.8	.2								4.4	5.5
ENE	.7	1.3	.3	.2								2.6	5.8
E	.4	1.7	1.1	1.4	1.0	.6						6.2	11.5
ESE	.8	1.6	1.4	.9	1.3							6.0	9.7
SE	.6	4.1	1.2	.1	.1							6.1	5.7
SSE	.7	3.3	2.1	.1								6.2	5.9
S	1.3	4.3	2.7	.7	.4							9.5	6.7
SSW	.9	1.4	1.8	.7								4.8	7.1
SW	.7	2.1	1.2	.6	.2							4.8	7.2
WSW	.3	1.2	1.1	1.1	.3	.1						4.2	9.7
W	.9	1.6	1.4	1.1	.2	.2						5.5	8.5
WNW	.7	1.3	1.1	.3								3.4	6.7
NW	.7	2.0	.4	.3								3.4	6.0
NNW	.7	2.1	2.0	.8	.2							5.8	7.5
VARBL													
CALM												3.2	
	11.1	40.6	28.1	11.8	4.2	.9						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

899



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

WIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
H	.8	5.0	3.1	1.4	.2							10.6	7.2
NNE		1.0	.6									1.6	5.9
NE	.2	1.0	.8									2.0	6.4
ENE	.3	.9	.3	.1								1.7	5.8
E	.1	.9	.4	.9	.7	.1						3.1	11.3
ESE	.1	.4	.6	.8	.6	.2						2.7	12.3
SE	.2	.2	.4	.4	.3	.1						1.8	10.9
SSE	.1	1.0	.8	.2	.1							2.2	8.1
S	.4	2.3	3.1	.6	.9	.2	.2					7.8	9.5
SSW	.3	2.4	2.2	2.9	.6	.3	.1	.1				9.0	10.6
SW	.2	3.0	4.6	3.2	1.3	.6						12.9	10.3
WSW	.7	2.3	2.9	1.9	.8	.2						8.8	9.4
W	1.8	4.8	2.6	2.8	1.4	1.1	.1					14.6	9.9
WNW	.8	2.0	2.1	1.6	.9	.3	.1					7.8	10.0
NW	.4	3.2	1.4	1.4	.4	.1						7.1	8.3
NNW	.2	2.6	1.1	.6	.8	.4						5.7	9.5
VARBL													
CALM												.9	
	6.8	33.1	27.0	16.8	9.0	3.8	.6	.1				100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004

KIRTLAND AFB NM

68-70, 73-79

APR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

1200-1400

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.8	.6	.4							4.2	9.1
NNE	.1	.6	.1	.1								.9	5.9
NE	.2	1.0	.3	.1								1.7	5.6
ENE	.1	.8	.7	.2								1.8	7.1
E		.6		.1								.7	6.8
ESE		.7	.6	.2	.2							1.7	9.3
SE		1.2	1.0	.4		.3						3.0	9.7
SSE	.1	.3	.8	.3	.2							1.8	9.6
S	.1	2.3	3.4	2.4	.8	.6						9.7	10.7
SSW	.1	2.1	2.2	2.4	1.7	1.1	.8					10.4	13.9
SW		2.4	5.7	4.6	1.1	1.6	.7	.1				16.1	12.7
WSW	.2	1.8	3.9	3.0	1.4	.9	.3					11.6	12.1
W		2.6	3.1	2.8	2.2	1.4	.6					12.7	13.4
WNW	.2	.7	2.0	2.1	.9	1.6	.2					7.7	14.6
NW	.4	1.7	3.1	2.9	1.2	1.6						10.2	12.5
NNW	.1	.4	2.0	1.3	1.1	.1						5.1	11.6
VARBL													
CAUM												.2	
	1.9	20.4	30.7	23.7	11.3	9.1	2.6	.1				100.0	12.0

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.4	1.8	1.0							4.0	12.4
NNE	.1	.4	.2	.7	.2							1.7	10.5
NE		.6	.4	.6								1.6	9.1
ENE		.2	.4	.2								.9	8.5
E	.2	.8	.4	.1	.1			.1				1.8	8.9
ESE		.3	.9	.4	.2							1.9	10.3
SE		.8	.7	1.1	.1	.2						2.9	11.2
SSE	.1	1.6	1.0	.6		.1						3.3	8.2
S	.4	2.0	3.7	3.2	1.3	1.2	.3					12.2	12.5
SSW		1.2	2.1	3.0	2.3	1.4	.7	.1				10.9	15.6
SW	.2	2.4	3.1	2.8	.9	1.0	.4	.2				11.1	12.6
WSW	.1	1.2	2.0	1.6	1.2	.7	.8					7.6	14.0
W	.7	1.8	3.1	4.3	3.0	1.7	.6	.1				15.2	14.0
WNW	.1	.7	1.9	1.8	3.1	1.9	.8					10.2	16.2
NW	.2	.9	1.3	2.9	3.1	1.2						9.7	15.
NNW	.1	.2	1.1	1.7	1.0	.6						4.7	13.8
VARBL													
CALM												.4	
	2.6	15.7	22.9	26.7	17.7	10.0	3.6	.6				100.0	13.5

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM

STATION NAME

68-70, 73-79

YEARS

APR

MONTH

ALL WEATHER

CLASS

1800-2000

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	3.3	5.2	.8	.2						10.1	11.8
NNE	.1	.4	.9	1.3	.3							3.1	10.9
NE		.6	.6		.1							1.2	8.3
ENE		.1	.3	.1								.6	9.4
E		.8	1.3	1.1	.6	.4	.2					4.4	12.9
ESE		1.4	1.6	1.8	.8	.1						5.7	10.9
SE		3.3	1.7	.8	.2							6.0	7.5
SSE	.1	1.3	1.3	.6	.2							3.6	8.3
S	.2	2.7	5.2	4.2	1.4	.4	.2					14.4	11.0
SSW	.2	2.0	2.0	2.2	.8	.9						8.1	11.7
SW	.2	1.0	1.9	1.1	1.1	.3	.2					5.9	12.3
WSW	.6	1.1	.9	2.7	1.1	1.0						7.3	12.9
W	.1	1.4	2.0	2.8	1.3	.4						8.1	12.1
WNW		1.1	2.3	2.1	1.7	.4	.1					7.8	12.9
NW	.1	.4	1.9	3.7	2.2	.3						8.7	13.4
NNW		.1	.9	2.6	1.3							4.9	13.7
VAR2L													
CALM												.1	
	1.7	18.4	28.1	32.2	14.0	4.7	.8					100.0	11.6

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.8	6.4	4.6	.4							14.3	9.8
NNE	.2	1.0	2.6	1.3								5.1	8.5
NE	.1	1.3	1.0	.1								2.6	6.5
ENE	.2	1.1	.8	.2	.1							2.4	7.0
E	.6	2.0	1.6	1.2	1.6	1.0	.1					8.0	12.2
ESE	.6	2.4	2.7	2.0	1.3	.8						9.8	11.0
SE	.2	3.9	3.0	.8	.3							8.2	7.4
SSE	.3	2.9	2.2	.2								5.7	6.2
S	.1	1.9	4.1	1.8		.1						8.0	8.7
SSW		.8	2.0	1.7	.4							4.9	10.6
SW		.8	2.1	2.0	.2	.2						5.3	10.6
WSW		1.2	1.2	1.3	.3	.1						4.2	10.1
W	.2	1.4	2.6	1.3	.6	.3						6.4	10.0
WNW		1.1	2.0	1.7	.4	.2						5.4	10.5
NW	.3	.8	1.6	.7	.2							3.6	8.8
NNW	.2	.8	2.1	1.8	.2							5.1	10.1
VARBL													
CALM												.9	
	3.2	26.2	37.9	22.7	6.2	2.8	.1					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

APR  
MONTH

ALL WEATHER  
CLASS

ALL  
WIND SPEED

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.5	4.5	2.7	.5	.1						11.6	8.8
NNE	.2	1.2	1.4	.5	.1							3.5	7.6
NE	.3	1.5	1.0	.2	.0							2.9	6.4
ENE	.2	1.1	.6	.2	.0							2.1	6.6
E	.3	1.4	.9	1.2	.8	.3	.0	.0				5.0	11.4
ESE	.3	1.7	1.4	1.1	.9	.2						5.6	10.2
SE	.2	2.9	2.2	.5	.2	.1						6.2	7.5
SSE	.2	2.2	1.9	.3	.1	.0						4.7	6.9
S	.5	2.9	3.6	1.8	.6	.3	.1					9.9	9.4
SSW	.2	1.4	1.8	1.7	.7	.5	.2	.0				6.5	11.9
SW	.2	1.8	2.7	2.0	.6	.5	.2	.0				8.0	11.0
WSW	.3	1.5	1.9	1.7	.7	.4	.1					6.5	11.1
W	.6	2.1	2.3	2.1	1.2	.7	.2	.0				9.2	11.3
WNW	.3	1.2	1.6	1.3	.9	.6	.2					6.0	12.2
NW	.3	1.3	1.6	1.6	.9	.4						6.2	11.2
NNW	.2	1.1	1.4	1.3	.6	.1						4.8	10.4
VARBL													
CALM												1.5	
	4.7	28.9	30.8	20.1	8.4	4.1	.9	.1				100.0	9.8

TOTAL NUMBER OF OBSERVATIONS

7199



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME68-70, 73-79  
YEARSMAY  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.5	4.5	1.5								10.0	7.6
NNE	.1	1.4	1.5	.1								3.1	6.8
NE	.2	1.8	1.1	.1								3.2	6.3
ENE	.4	1.1	.9	.2		.1						2.7	7.2
E	.2	3.1	1.7	2.4	2.2	.5	.2					10.3	11.9
ESE	.8	3.3	2.0	1.6	2.4	1.3	.3					11.7	12.2
SE	.6	6.0	5.4	.3								12.4	6.3
SSE	.3	3.9	4.0	.1	.1							8.4	6.6
S	.5	3.4	4.0	1.1	.1							9.1	7.2
SSW	.3	1.3	1.5	.6	.2							4.0	8.0
SW	.2	1.2	1.2	.1	.1							2.8	7.1
WSW	.1	1.5	2.2	.1								3.9	6.9
W	.3	1.1	2.3	.9	.1							4.6	8.0
WNW	.3	1.2	1.4	.3	.1							3.3	7.4
NW	.4	1.3	1.4	.5	.1							3.8	7.3
NNW	.3	1.0	1.4	.4	.1							3.2	7.5
VARBL													
CALM												3.4	
	5.7	36.1	35.3	10.4	5.5	1.9	.5					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	4.0	5.0	1.4								11.2	7.2
NNE	.3	1.9	2.5	.5								5.3	7.0
NE	.5	2.8	1.2	.2								4.7	5.9
ENE	.1	1.5	1.1	.2								2.9	6.7
E	.3	2.2	1.1	3.7	1.7	.4	.1					9.5	12.4
ESE	.4	6.6	2.7	1.1	1.9	.9	.1					13.7	9.5
SE	.8	5.5	5.6									11.8	6.3
SSE	1.0	4.1	3.8									8.8	6.0
S	1.2	4.1	3.4	.5								9.3	6.4
SSW	.8	1.0	1.0	.9								3.6	7.5
SW	.4	1.0	1.1	.1								2.6	6.4
WSW	.6	1.1	.4	.3								2.5	6.1
W	.5	.9	1.5	.2								3.1	6.3
WNW	.4	.9	.6									1.9	5.5
NW	.3	1.3	.5	.1								2.4	5.7
NNW	.2	.8	1.3	.1	.1							2.5	7.4
VARBL													
CALM												4.4	
	8.8	39.4	32.7	9.4	3.8	1.3	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-14	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	7.2	7.8	1.7	.1							17.6	7.1
NNE	.4	1.4	1.8	.3								4.0	6.9
NE	.3	1.4	1.5									3.2	6.3
ENE	.1	1.5	.8	.2								2.6	6.3
E	.6	1.9	.3	1.5	1.8	.5	.1					6.9	12.4
ESE	.5	2.0	.6	1.0	1.8	.5						6.6	11.7
SE	.9	4.2	1.3	.2	.2							6.8	6.0
SSE	.8	3.7	1.7									6.1	5.6
S	1.5	6.7	2.7	.8		.1						11.7	6.2
SSW	1.0	2.0	1.7	1.1								5.8	7.1
SW	.8	1.5	2.2	.5								4.9	6.8
WSW	.3	1.4	1.1	.4								3.2	6.9
W	.8	2.2	1.1	.6		.1						4.7	6.9
WNW	.5	1.4	.5	.1								2.6	5.3
NW	1.1	2.4	1.1	.4		.1						5.1	6.1
NNW	.9	1.0	2.0	.3	.1							4.3	7.1
VARBL													
CALM												3.9	
	11.2	41.8	28.3	9.2	4.1	1.4	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.8	3.8	1.9	1.3	.5	.2						8.5	6.1
NNE	.4	.8	1.2									2.4	6.4
NE	.4	.8	.6									1.6	5.6
ENE	.1	.8	.2		.1							1.2	6.5
E	.2	1.3	.5	1.9	1.0							4.9	11.5
ESE	.2	.8	.1	1.2	1.4	.1						3.8	13.5
SE	.2	.3	.5	.8	.3							2.2	11.4
SSE	.1	.4	.9	.2	.3							1.9	9.2
S	.3	3.2	2.6	.9	.6		.1					7.7	8.5
SSW	.1	1.8	2.8	1.3	.6							6.7	9.5
SW	.2	3.7	7.1	2.5	.2	.2						13.9	6.6
WSW	.6	3.8	4.4	1.6	.2							10.8	7.6
W	.6	5.3	4.9	1.8	.6							13.3	7.9
WNW	.3	3.1	1.2	.8		.1						5.5	7.2
NW	.9	3.1	2.5	.6	.3	.1						7.5	7.3
NNW	.2	2.5	1.9	1.1	.5	.3						6.6	9.4
VARBL													
CALM												1.4	
	5.9	35.3	33.4	15.9	6.9	1.1	.1					100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

A L WEATHER  
CLAS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) D.S.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		1.4	2.4	.6	.6	.1						5.2	9.7
NNE		.3	.4	.1	.1	.1						1.1	10.5
NE		.6	.5	.2								1.4	7.2
ENE		.2	.8									1.0	7.2
E	.3	.4	.2	1.2	.4	.2	.1					2.9	13.0
ESE	.3	.3	.1	1.1	.2	.4						2.5	13.6
SE	.2	.2	1.0	1.1	.3	.2						3.0	11.7
SSE	.1	.5	.5	.6		.1						1.9	9.7
S	.4	2.2	3.7	1.5	.8	.6						9.1	10.3
SSW	.2	1.6	3.2	3.1	1.4	.4	.4					10.4	12.4
SW		1.6	6.0	4.7	.8	.3	.1					13.6	10.9
WSW	.3	1.8	5.4	3.4	.5							11.5	9.7
W	.5	3.7	6.2	5.5	1.5	.2		.1				17.6	10.3
WNW		1.7	2.2	1.9	.3	.4						6.6	10.8
NW		1.9	2.5	2.6	.8	.3		.1				3.2	11.0
NNW		1.0	.8	1.3	.3	.2						3.6	11.5
VARIABLE													
CALM												.3	
	2.5	19.6	35.8	29.1	9.1	3.8	.6	.2				100.0	10.7

TOTAL NUMBER OF OBSERVATIONS

929



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23024

KIRTLAND AFB NM

68-70, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN W
N	.2	.9	1.1	1.3	1.1	.4						4.9	12.9
NNE	.1	.3	.9	.2	.1	.1						1.7	9.3
NE	.1	.3	.4	.4		.1						1.4	10.0
ENE	.1	.6	.6	.3								1.7	8.2
E		.8	.5	1.0	.1	.2						2.6	11.3
ESE		.4	.6	1.3	1.2	.4						4.0	14.5
SE	.1	1.0	.9	.6	.2	.1						2.9	9.5
SSE	.3	1.0	1.1	.6	.2							3.2	8.7
S	.2	1.1	3.3	4.2	.9	.9	.1					10.6	12.1
SSW		.8	2.0	3.7	2.6	1.0	.4					10.4	14.7
SW		1.3	2.9	4.2	1.1	.4	.1					10.0	12.0
WSW	.2	1.4	4.2	2.6	.9	.2	.1					9.6	10.7
W		3.1	3.4	4.9	2.7	.3	.1					14.2	11.9
WNW	.2	.4	3.0	3.3	1.7	.9						9.8	10.8
NW	.1	1.2	1.6	3.0	1.0	.3	.2					7.4	12.5
NNW		.9	.8	2.0	.8	.4	.1					4.9	13.2
VARBL													
CAL												.1	
	1.7	3.4	27.4	34.0	14.4	5.8	1.2					100.0	12.2

TOTAL NUMBER OF OBSERVATIONS

936



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME58-70,73-79  
YEARSMAY  
MONTHALL WEATHER  
CLASS1600-2000  
HOURS (L & T.)

COORDINATE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND (KNTS)
N	.5	.3	3.2	3.4	1.7	.4						9.7	12.3
NNE		.5	.6	1.2	.1							2.5	10.2
NE	.1	.8	1.3	.8								2.9	8.3
ENE	.1	.3	.5	.1								1.1	7.2
E	.1	.6	1.2	.8	1.3	.8	.1					4.8	14.1
ESE	.1	1.7	1.2	1.6	1.5	.3						6.5	12.0
SE	.2	1.6	1.5	1.3	.3							4.9	8.6
SSE	.2	1.3	1.3	.4	.1							3.3	7.7
S		3.3	3.2	3.7	1.3	.2						11.7	10.4
SSW	.2	1.5	2.5	2.8	.6	.5	.2					8.4	11.8
SW		1.9	3.1	2.7	1.1	.1						8.9	10.6
WSW		1.5	2.2	.9	.3	.4						5.3	10.1
W	.1	1.5	3.4	3.0	.3	.2						8.6	10.3
WNW	.1	.9	3.3	4.0	1.5	.2						10.0	12.0
NW	.1	.4	2.6	1.9	.8	.3						6.1	11.9
NNW		.4	1.9	1.2	.5	.4						4.5	12.1
VARBL													
CALM												.8	
	1.9	18.7	53.1	29.7	12.5	4.0	.3					100.0	10.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L & T.)

COND

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.0	6.3	1.8	.8							11.5	9.0
NNE		1.2	1.7	.5	.1							3.5	8.1
NE		1.8	1.2	.4								3.4	6.9
ENE	.1	1.5	1.1	.2								2.9	6.3
E	.2	2.9	2.9	1.8	1.4	1.2	.1					10.5	11.8
ESE	.2	3.2	2.5	1.3	1.2	.2	.4					9.6	11.2
SE	.1	4.3	5.1	.6	.1							10.2	7.3
SSE	.4	3.4	3.3	.4								7.6	6.7
S	.4	2.8	4.3	1.6	.4							9.6	8.4
SSW	.2	1.1	.6	1.2	.4							3.5	9.8
SW	.2	.8	1.5	.6								3.1	8.4
WSW	.2	1.0	1.1	.2	.1							2.6	7.3
W	.2	2.2	4.6	.8								7.7	7.5
WNW	.3	1.0	2.4	.9								4.5	8
NW	.1	1.4	2.4	1.2								5.1	8.1
NNW		.3	1.9	1.1	.1							3.8	9.7
VARBL													
CALM												.8	
	3.3	30.9	42.9	15.1	4.6	1.9	.5					160.0	8.6

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

ALL WEATHER  
CLASS

ALL  
MOSES (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	2.9	4.0	1.6	.6	.1						9.8	8.7
NNE	.2	1.0	1.3	.4	.1	.0						2.9	7.7
NE	.2	1.3	1.0	.3		.0						2.8	6.8
NNE	.1	.9	.7	.2	.0	.0						2.0	6.9
E	.3	1.7	1.1	1.8	1.2	.5	.1					6.6	12.2
ESE	.3	2.3	1.2	1.3	1.5	.6	.1					7.3	11.6
SE	.4	2.9	2.6	.6	.2	.0						6.8	7.3
SSE	.4	2.3	2.1	.3	.1	.0						5.2	6.8
S	.6	3.3	3.4	1.8	.5	.2	.0					9.9	8.7
SSW	.3	1.4	1.9	1.8	.7	.2	.1					6.6	11.0
SW	.2	1.6	3.1	1.9	.4	.1	.0					7.5	9.6
WSW	.3	1.7	2.6	1.2	.3	.1	.0					6.2	8.8
W	.4	2.5	3.4	2.2	.7	.1	.0	.0				9.3	9.4
WNW	.3	1.3	1.8	1.4	.5	.2						5.5	10.1
NW	.4	1.6	1.8	1.3	.4	.1	.0	.0				5.7	9.3
NNW	.2	1.0	1.5	1.0	.3	.2	.0					4.2	10.0
VARBL													
CALM												1.9	
	5.1	29.6	33.8	19.1	7.4	2.6	.5	.0				100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 7438



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

23004  
STATIONKIRTLAND AFB NM  
STATION NAME68-70, 73-79  
YEARSJUN  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS; DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	2.4	6.2	1.0	.2	.1						10.2	8.3
NNE	.7	1.1	2.0	.2	.1							4.1	7.2
NE	.1	1.0	1.2	.1								2.4	7.0
ENE	.1	1.4	.8	.6	.1	.1						3.1	8.2
E	.2	2.0	2.1	5.1	4.0	2.0	.1					15.6	14.2
ESE	.3	3.8	2.6	1.9	2.7	1.6	.2					13.0	12.3
SE	.1	5.0	5.0	.4								10.6	6.7
SSE	.2	3.9	2.9	.1								7.1	6.1
S	.6	4.1	3.1	.3								8.1	6.2
SW		1.2	1.1	1.0	.1							3.4	8.8
WSW	.6	1.1	1.4									3.1	6.1
W	.3	.7	1.6									2.6	6.7
WNW	.2	1.3	1.8	1.2	.1							4.7	8.5
NW	.1	1.0	.9	.2	.2							2.4	7.9
NNW		1.6	1.3									2.9	6.2
NNW	.1	1.3	1.3	.1	.3	.2						3.4	9.2
VARBL													
CALM												3.2	
	3.9	33.0	35.3	12.3	7.9	4.0	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS / L & T

CORRECTION

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	3.4	6.8	1.2		.2						12.0	7.8
NNE	.4	1.8	3.2	.2								5.7	7.0
NE	.2	1.6	2.3	.1								4.2	6.6
ENE	.3	1.4	1.1	.3	.1							3.3	7.2
E	.6	3.6	2.1	4.1	3.3	.8	.1					14.6	12.3
ESE	.6	5.4	1.9	3.3	1.2	.6	.1					13.1	9.8
SE	.7	5.6	4.7	.2								11.1	6.2
SSE	.4	4.7	3.3									8.4	6.2
S	.4	3.1	3.7	.2								7.4	6.9
SSW	.3	.4	1.0	.2	.1							2.1	8.1
SW	.1	.8	1.0	.4								2.3	7.7
WSW	.2	.9	.4	.1								1.7	5.7
W	.7	1.0	.9	.1								2.7	6.1
WNW	.1	1.0	.9	.1	.1							2.2	6.9
NW	.3	1.6	.4									2.3	5.1
NNW	.2	2.2	1.1	.2	.2							4.0	7.0
VARBL													
CALM												2.8	
	6.0	38.4	34.9	11.0	5.1	1.6	.2					100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	5.9	9.9	1.1								17.8	7.3
NNE	.7	1.7	2.1	.8	.1							5.3	7.4
NE	.2	1.6	2.0	.1								3.9	6.5
ENE	.4	.7	.7	.7								2.4	7.6
E	.9	2.4	1.0	4.1	2.0							10.4	11.5
ESE	.3	1.9	1.0	1.6	1.0	.3						6.1	10.9
SE	.9	3.6	.8	.4								5.7	5.5
SSE	.6	3.7	1.1	.2								5.6	5.7
S	.7	4.6	3.0	.8	.1							9.1	6.5
SSW	.2	2.7	1.8	.7								5.3	7.3
SW	.3	1.3	1.7	.8								4.1	7.6
WSW	.7	1.3	1.2	.1								3.3	6.1
W	.7	2.1	1.6	.4								4.8	6.5
WNW	.3	2.2	.9	.1								3.6	5.7
NW	.6	2.8	.8	.1								4.2	5.3
NNW	.9	2.6	1.8	.3								5.6	6.1
VARBL													
CALM												2.8	
	9.2	40.9	31.2	12.3	3.2	.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L & T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.8	5.2	.4	.1							10.9	6.9
NNE	.3	1.4	.7									2.4	5.6
NE	.1	2.0	.9									3.0	5.9
ENE	.2	1.1	.3	.3								2.0	6.8
E	.4	1.1	.2	1.0	.9							3.7	10.5
ESE	.2	.2	.3	1.6	.3							2.7	11.7
SE	.6	.9	1.1	.3	.2							3.1	7.6
SSE	.1	.4	.8	.6								1.9	9.2
S	.2	3.0	3.6	.9								7.7	7.2
SSW	.4	2.4	3.1	2.8	.6	.1						9.4	9.4
SW	.6	4.0	5.4	3.2	.3							13.6	8.5
WSW	.6	2.4	5.1	1.4								9.6	7.7
W	.7	4.3	5.8	2.0	.4							13.2	8.0
WNW	.4	2.1	2.9	.6	.2							6.2	7.4
NW	.3	3.0	1.4	.4	.1	.3						5.7	7.8
NNW		2.9	1.4	.2	.2							4.8	6.8
VARBL													
CALM												.2	
	5.6	36.2	38.3	15.8	3.4	.4						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23C04  
STATIONKIRTLAND AFB NM  
STATION NAME68-70, 73-79  
YEARSJUN  
MONTHALL WEATHER  
CLASS1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.4	2.0	.7	.1							4.3	8.3
NNE		1.0	.7	.3								2.0	7.2
NE	.3	1.2	1.2	.1								2.9	6.2
ENE	.3	.3	.1	.2								1.0	6.8
E	.2	1.4	.8	.8	.2	.1						3.6	8.9
ESE		.6	.2	.7	.4	.1	.1					2.1	13.4
SE	.1	.7	.9	.6	.1							2.3	8.8
SSE	.2	.3	1.7	.4								2.7	8.3
S	.3	2.6	3.4	1.6	.3							8.2	9.0
SSW		2.1	3.0	2.4	1.7	.4						9.7	11.5
SW	.3	2.1	5.4	5.3	.2	.1						13.6	10.2
WSW	.1	2.8	5.7	2.8	.2							11.6	8.9
W	.6	4.1	8.1	4.0	1.3	.1						18.2	9.5
WNW	.1	1.9	2.1	1.1	.4	.2						5.9	9.6
NW	.4	2.2	3.3	1.7	.8	.2	.1					8.8	9.8
NNW		.9	1.4	.7	.1							3.1	8.9
VARBL													
CALM												.1	
	3.2	25.7	40.1	23.3	6.0	1.3	.2					100.0	9.5

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.6	1.6	.9	.7						6.7	10.8
NNE		.8	1.3	.3	.2							2.7	9.0
NE	.2	.7	1.2	.2								2.3	7.4
ENE	.1	.9	.3		.1							1.4	6.8
E		.8	1.1	.9	1.4	.2						4.4	13.0
ESE		.8	.9	1.4	.9	.2	.1					4.3	12.7
SE	.1	.8	.4	.7	.7	.3						3.0	12.7
SSE	.2	.8	.6	.7	.4	.1						2.8	10.3
S	.1	1.4	3.2	1.4	1.3	.2	.1					7.9	11.2
SSW	.3	1.6	2.2	2.8	2.1	.9						9.9	12.8
SW	.2	1.7	2.7	3.8	1.9	.3						10.6	12.0
WSW	.2	1.3	3.2	2.3	.8	.1						8.0	10.2
W	.1	2.0	4.4	4.9	3.0	.3						14.8	12.1
WNW		1.6	2.6	2.9	1.4	.3	.2					9.0	12.2
NW	.4	1.2	2.4	2.0	.9	.6						7.6	11.1
NNW	.1	.6	1.1	1.3	1.0	.1						4.2	12.4
VARBL													
CALM												.3	
	2.3	18.1	30.4	27.3	17.1	4.0	.4					100.0	11.5

TOTAL NUMBER OF OBSERVATIONS 899



2 GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.3	3.0	3.2	1.1	.2						8.9	11.4
NNE		.7	1.4	.8	.1							3.0	9.2
NL	.1	.9	1.1	.6	.1							2.8	8.5
ENE		.7	.6	.1	.4							1.8	9.9
E		.9	1.1	1.0	1.0	.3						5.2	12.6
ESE	.2	1.3	1.6	3.0	3.1	1.2						10.4	14.1
SE	.3	2.0	2.0	2.3	1.1							7.8	10.2
SSE	.1	1.8	.8	.9	.6							4.1	9.5
S	.1	2.7	3.0	2.7	.3	.1						8.9	9.4
SSW	.2	1.4	1.9	2.8	1.3	.2	.1					8.0	12.0
SW		1.7	2.6	2.8	.6	.3						7.9	11.1
WSW	.2	1.4	1.7	2.0	.6	.1	.1					6.1	10.5
W	.1	2.7	2.7	3.7	.6	.2						9.9	10.1
WNW		.7	2.6	3.0	.8	.1						7.1	11.6
NW		.6	.9	1.8	.7	.1						4.0	12.5
NNW	.1	.1	1.0	1.2	.8	.2		.1				3.6	13.9
VARBL													
CALM												.6	
	1.6	20.8	27.8	32.7	13.1	3.2	.2	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-7C, 73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.9	5.3	2.0	.8	.3						10.4	10.0
NNE	.2	.9	2.2	.4	.1							3.9	8.4
NE		.9	2.6	.4	.1							4.0	8.3
ENE	.4	1.6	1.0	.4	.1							3.6	7.1
E	.1	2.0	2.0	3.7	1.7	1.9	.3					11.7	13.9
ESE		2.0	2.9	4.1	3.1	1.4	.2					14.7	13.4
SE	.1	.0	3.9	1.8	.4	.1						11.3	7.9
SSE	.2	.1	1.8	.4								5.6	6.7
S	.1	3.6	2.9	2.0								8.6	8.0
SSW	.1	1.0	1.1	.7	.3							3.2	9.2
SW	.1	1.0	1.2	.9	.2							3.4	9.4
WSW	.1	.9	1.1	.4	.2							2.8	8.6
W	.4	1.2	2.6	.6								4.8	7.5
WNW	.3	1.0	2.0	1.9	.1							5.3	9.3
NW	.2	1.0	1.0	.6		.1						2.9	8.4
NNW		.4	1.7	1.0								3.1	9.4
VARBL													
CALM												.9	
	2.7	28.3	35.2	21.3	7.2	3.9	.6					100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

25004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JUN  
MONTH

ALL WEATHER  
CLIM

ALL  
MOSES (L S T)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 5	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.8	5.1	1.4	.4	.1						10.2	8.6
NNE	.3	1.2	1.7	.4	.1							3.6	7.6
NE	.2	1.2	1.6	.2	.5							3.2	7.1
NNE	.3	1.0	.6	.3	.1	.0						2.3	7.6
E	.3	1.8	1.3	2.7	1.8	.7	.1					8.6	12.7
ESE	.2	2.1	1.4	2.2	1.6	.7	.1					8.3	12.2
SE	.4	2.9	2.3	.8	.3	.1						6.9	7.7
SSE	.3	2.3	1.5	.4	.1	.0						4.5	7.1
S	.3	3.1	3.2	1.2	.3	.0	.0					8.2	8.0
SSW	.2	1.6	1.9	1.7	.8	.2	.0					6.4	10.5
SW	.3	1.7	2.7	2.2	.4	.1						7.3	9.7
WSW	.3	1.5	2.5	1.2	.2	.0	.0					5.7	8.6
W	.4	2.3	3.5	2.1	.7	.1						9.1	9.3
WNW	.2	1.4	1.8	1.2	.4	.1	.0					5.2	9.5
NW	.3	.7	1.5	.8	.3	.2	.0					4.8	8.9
NNW	.2	1.4	1.4	.6	.3	.1		.0				4.0	9.0
VARBL													
CALM												1.3	
	4.3	30.2	34.2	19.5	7.9	2.3	.3	.0				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 7199



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME68-70,73-79  
YEARSJUL  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	2.9	5.6	1.7	.1							10.4	8.1
NNE		2.0	2.5	.5								5.1	7.4
NE	.2	1.0	1.5	.5								3.2	7.6
ENE		1.7	1.6	.9								4.2	8.3
E	.4	2.9	4.7	4.2	1.7	.6	.1	.2				15.6	11.7
ESE	.5	3.5	3.8	3.3	1.5	.4	.1					13.2	10.2
SE	1.1	5.4	3.0	.5	.2							10.2	6.5
SSE	1.2	5.3	3.4	.1								10.0	5.8
S	.6	5.1	2.7	1.0								9.4	6.5
SSW	.1	.9	1.9	.2								3.1	7.8
SW	.2	.5	.9	.3								2.0	7.2
WSW	.1	.9	.5	.3								1.8	7.1
W	.4	2.0	.5									3.0	5.0
WNW	.3	1.4	.6	.1								2.5	5.5
NW	.2	1.1	1.2	.3								2.8	7.3
NNW		.9	.9	.1								1.8	7.1
VARBL													
CALM												1.6	
	5.6	37.5	35.4	14.8	3.5	1.1	.2	.2				100.0	8.0

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEAR

JUL  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.0	6.7	.4								14.2	6.5
NNE	.4	2.9	3.0	.6								7.0	6.9
NE	.4	2.4	2.3	.2								5.3	6.3
ENE	.2	2.2	2.0	1.3	.1							5.8	8.0
E	1.4	3.3	3.0	4.1	1.8	.5						14.2	10.4
ESE	1.4	4.4	2.8	1.3	1.1	.4	.3					11.7	9.1
SE	1.5	6.8	3.4	.1								11.8	5.7
SSE	1.0	3.3	1.1									5.4	5.1
S	.9	2.7	2.0	.5								6.1	6.4
SSW	.3	1.0	1.1									2.4	6.2
SW	.4	.9	.2	.1								1.6	5.2
WSW	.1	.4	.1									.6	5.3
W	.8	1.5	.6									2.9	5.1
WNW	.8	1.3	.3									2.4	4.7
NW	.6	1.5	.9									3.0	5.4
NNW	.2	1.1	.6									1.9	5.8
VARBL													
CALM												3.7	
	11.5	41.6	30.2	8.7	3.0	1.0	.3					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.9	10.0	.5								18.5	6.8
NNE	.6	2.6	3.3	.1								6.7	6.5
NE	.5	2.4	1.1									4.0	5.4
ENE	.2	1.5	.9	.3								2.9	6.6
E	.3	1.9	1.6	3.0	1.8	.2	.2					9.1	11.9
ESE	.8	2.0	1.5	1.9	.8	.5						7.5	10.4
SE	1.4	4.2	.8	.2								6.6	5.1
SSE	1.2	3.4	1.5	.1								6.2	5.2
S	1.6	5.2	2.2	.6								9.6	5.8
SSW	.8	1.6	1.3	.1								3.8	5.7
SW	.3	1.4	1.5	.1								3.3	6.2
WSW	.1	1.2	.3									1.6	5.5
W	1.1	2.5	.3									3.9	4.5
WNW	.5	1.9	.5									3.0	5.0
NW	.8	2.4	1.4									4.5	5.4
NNW	.4	3.4	2.2	.1								6.1	5.9
VARBL													
CALM												2.7	
	11.7	44.5	30.3	7.2	2.6	.8	.2					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.2	4.9	.3								10.0	6.8
NNE	.3	2.3	1.6									4.2	6.1
NE	.4	2.6	1.1	.2								4.3	5.9
ENE	.3	.3	.4	.3								1.4	7.6
E	.8	1.1	1.0	2.0	.4	.1						5.4	9.9
ESE	.2	.4	.4	.8	.2	.1						2.2	10.8
SE	.2	1.4	1.1	1.0	.3							4.0	8.9
SSE	.3	1.0	.9	.1	.1							2.4	6.8
S	.8	1.9	2.9	.6								6.2	7.0
SSW	.4	2.4	3.9	.9								7.5	7.5
SW	.8	3.8	4.7	.9								10.1	7.1
WSW	.9	3.3	4.3	.5								9.0	6.9
W	1.0	7.1	4.5	.1								12.7	6.0
WNW	.8	2.8	2.7	.1								6.3	6.0
NW	.9	4.6	2.8									8.3	5.8
NNW	.5	2.9	1.8		.2							5.5	6.4
VARBL													
CALM												.5	
	9.0	42.0	39.0	7.8	1.3	.2						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	3.2	3.4		.2							7.1	6.9
NNE	.3	1.3	.5									2.2	5.7
NE	.4	1.1	1.4	.1	.1							3.1	6.5
ENE		1.0	1.2	.1								2.3	7.0
E	.4	1.6	1.0	1.5		.1						4.6	8.5
ESE	.1	.8	1.1	1.0	.3							3.2	10.0
SE	.1	1.0	1.1	1.4	.1							3.7	9.5
SSE	.4	1.3	.8	1.0								3.4	7.7
S	.6	2.8	3.7	1.3	.1							8.5	7.9
SSW	.2	1.7	2.9	1.1								5.9	8.2
SW	.3	3.1	4.2	1.9	.1							9.7	8.2
WSW	.6	2.5	4.8	1.8		.1						9.9	8.0
W	.6	5.5	6.9	2.0	.1							15.2	7.4
WNW	.6	3.0	4.6	.2	.1							8.6	7.1
NW	.5	3.1	3.2	.2	.1							7.2	6.7
NNW	.1	2.4	1.5	.5	.1							4.6	7.2
VARBL													
CALM												.9	
	5.8	35.3	42.3	14.2	1.4	.2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.2	2.0	1.3	.3	.1						4.9	9.8
NNE	.4	.8	1.2	.9		.1						3.3	8.7
NE		.4	1.8	.4	.1							2.8	9.2
ENE	.3	.8	.4	.1	.1							1.7	6.9
E	.3	1.4	1.7	3.2	1.3	.9	.2					9.0	13.0
ESE	.1	.9	.9	2.4	.8	1.0						5.9	13.6
SE	.2	1.1	1.5	1.5	1.2	.2						5.7	11.5
SSE		.5	1.9	1.2	.1	.1						3.9	10.2
S	.1	1.9	3.3	2.6	.2		.1					8.3	9.7
SSW		.9	1.7	3.4	.5	.1						6.7	11.7
SW	.2	1.5	3.5	4.3	1.0							10.5	10.8
WSW	.2	1.0	3.1	3.0	.2							7.5	10.1
W	.2	1.8	6.6	2.7	.6	.1						12.0	9.5
WNW	.3	1.6	2.4	1.7	.8	.8						7.5	11.3
NW	.1	1.4	3.3	1.6	.3							6.8	9.3
NNW	.3	1.1	.9	.6	.1							3.0	7.9
VARBL													
CALM												.3	
	2.9	18.2	36.3	31.0	7.6	3.3	.3					100.0	10.5

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	2.2	1.6	1.1	.2	.1					7.0	11.2
NNE	.1	.2	1.4	.5	.5							2.8	10.3
NE	.1	1.1	.9	.8	.9	.1						3.8	11.0
ENE		.8	.6	1.0	.1	.1						2.6	10.1
E	.3	1.4	1.6	4.0	1.7	.8	.2					10.0	13.4
ESE		1.3	2.4	4.0	1.7	.3	.1					9.8	12.6
SE	.3	2.3	3.8	3.2	.5	.1	.1					10.3	9.9
SSE	.2	1.1	2.0	1.7	.1							5.2	9.0
S	.1	2.2	4.4	3.7	1.0	.1						11.4	10.2
SSW	.2	1.8	3.2	2.5	.6	.1						8.5	10.1
SW		1.3	2.9	3.1	1.0							8.3	10.9
WSW	.2	.5	1.9	1.0	.1	.1						3.9	9.8
W	.6	1.6	2.8	1.0	.1							6.1	7.9
WNW	.2	.5	1.7	.8	.1							3.3	9.1
NW	.1	1.2	1.2	1.1								3.5	8.6
NNW	.1	.2	1.2	.8	.1	.1						2.5	10.3
VARBL													
CALM												1.1	
	2.9	19.0	34.2	30.5	9.7	2.0	.5					100.0	10.4

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIPTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.6	3.7	2.2								7.5	8.9
NNE	.1	.4	1.8	1.0	.3	.1						3.8	10.3
NE	.2	1.4	1.9	.8	.2							4.5	8.4
NNE	.3	1.3	.5	.3	.1							2.6	6.9
E	.3	1.6	3.0	5.1	1.7	.6	.1					12.5	12.1
ESE	.1	3.7	4.1	4.3	1.5	.3	.1					14.1	10.7
SE	.3	4.3	5.3	1.6	.4	.2						12.2	8.3
SSE	.8	3.2	3.2	1.1								8.3	7.0
S	.4	5.1	4.6	1.7	.1	.1						12.6	7.6
SSW	.4	1.5	2.5	1.4								5.8	8.3
SW	.1	.8	1.5	.4								2.8	8.2
WSW		.8	1.0	.2								1.9	7.6
W	.2	1.4	1.1	.1	.1							2.9	6.7
WNW	.1	1.3	1.1	.2								2.7	6.9
NW	.3	.9	1.1	.2								2.5	7.1
NNW		1.3	1.0	.4								2.7	7.6
VARBL													
CALM												1.3	
	3.9	30.4	37.3	21.0	4.5	1.4	.2					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JUL  
MONTH

ALL WEATHER  
CLASS

ALL  
MOON (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	3.5	4.8	1.0	.2	.0	.0					10.0	1.7
NNE	.3	1.6	1.9	.5	.1	.0						4.4	7.5
NE	.3	1.5	1.5	.4	.2	.0						3.9	7.4
ENE	.2	1.2	1.0	.5	.1	.0						2.9	7.8
E	.5	1.9	2.2	3.5	1.3	.5	.1	.0				10.1	11.6
ESE	.4	2.1	2.1	2.4	1.0	.4	.1					8.5	10.8
SE	.6	3.3	2.5	1.2	.3	.1	.0					8.1	7.8
SSE	.6	2.4	1.9	.7	.0	.0						5.6	6.8
S	.6	3.3	3.2	1.5	.2	.0	.0					8.9	7.8
SSW	.3	1.5	2.3	1.2	.1	.0						5.5	8.6
SW	.3	1.7	2.4	1.4	.3							6.0	8.7
WSW	.3	1.3	2.0	.6	.0	.0						4.5	8.1
W	.6	2.9	2.9	.7	.1	.0						7.3	7.1
WNW	.5	1.7	1.7	.4	.1	.1						4.5	7.5
NW	.4	2.0	1.9	.4	.1							4.8	6.9
NNW	.2	1.7	1.2	.3	.1	.0						3.5	7.0
VARBL													
CALM												1.5	
	6.7	33.6	35.6	16.9	4.2	1.2	.2	.0				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

7440



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.6	4.6	.6	.4							8.6	8.0
NNE	.1	1.6	1.5	.3								3.5	6.8
NE	.4	1.5	2.3	.2								4.4	6.6
ENE	.3	1.9	1.1	.2								3.5	6.5
E	.5	3.3	2.5	3.0	1.2	.5						11.1	10.3
ESE	1.2	4.8	2.0	3.0	1.1							12.2	8.6
SE	1.1	8.0	4.5	.3								13.9	6.0
SSE	1.3	5.2	4.1	.2								10.8	6.1
S	1.1	4.6	3.8	1.2								10.6	6.7
SSW	.6	1.1	.9	.6	.2							3.4	7.8
SW	.2	1.3	.5	.4								2.5	6.7
WSW	.2	1.0	.6	.1								1.9	6.1
W	.9	1.5	1.0	.2								3.4	5.3
WNW	.9	1.3	.8	.1								3.0	5.1
NW	.4	1.0	1.0	.3								2.7	7.0
NNW	.2	.6	.8	.1								1.7	6.3
VARBL													
CALM												2.7	
	9.8	41.3	31.8	11.0	2.9	.5						100.0	7.0

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	6.1	7.1	.3								14.5	6.6
NNE	.6	2.8	2.4	.2								6.0	6.3
NE	.3	3.2	1.2									4.7	5.5
ENE	.5	2.3	1.5									4.3	6.0
E	.6	2.4	1.7	3.1	.1	.5						9.0	10.8
ESE	1.0	4.1	1.8	1.5	.4	.2						9.0	8.1
SE	1.2	9.4	2.9	.2								13.7	5.6
SSE	.9	4.9	1.2	.1								7.1	5.4
S	1.7	4.8	3.7	.4								10.6	6.0
SSW	.3	1.2	.3	.3								2.2	6.5
SW	.5	.4	.5	.1								1.6	6.0
WSW	.8	1.1	.1	.1								2.0	4.6
W	.5	1.3	.2									2.0	4.5
WNW	.3	1.8	.1	.1								2.4	5.1
NW	.5	1.6	.3									2.5	4.7
NNW	.6	1.3	.9	.1								2.9	5.7
VARIABLE													
CALM												5.4	
	11.5	48.7	25.9	6.7	1.1	.8						100.0	6.2

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

69-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0300-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	8.9	8.9	.1								18.8	6.6
NNE	.9	2.5	2.4	.2								5.9	6.1
NE	.9	3.3	1.1	.1								5.0	5.2
ENE	.2	1.7	.3	.1		.1						2.5	6.7
E	.8	1.6	1.2	2.5	.1	.1						6.7	9.7
ESE	.6	2.5	.2	2.2	.1	.5						6.1	10.1
SE	1.6	4.5	1.0	.4								7.7	5.1
SSE	2.3	3.3	.6									6.2	4.5
S	1.6	4.1	3.1	.4								9.2	5.8
SSW	1.2	1.7	1.6	.1								4.6	5.6
SW	.9	1.2	.5									2.6	4.7
WSW	.3	1.8	.2	.1								2.5	5.6
W	1.4	2.3	.1									3.8	4.1
WNW	.8	2.0	.4									3.2	4.6
NW	1.1	1.9	.3	.1								3.4	4.8
NNW	.8	3.1	2.2	.1								6.1	5.9
VARB													
CALM												5.2	
	16.2	46.5	24.2	6.5	.6	.2						100.0	5.9

TOTAL NUMBER OF OBSERVATIONS

930



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

EXPOSITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	4.9	3.3	.2								9.2	6.1
NNE	.5	1.8	.4	.2								3.0	5.5
NE	.3	.9	1.1									2.3	6.5
ENE	.3	.9	.2									1.4	4.8
E	.5	.4	.4	1.3	.5	.1						3.3	10.6
ESE	.3	.4	.1	1.0	.3	.2						2.4	11.9
SE	.5	.9	.4	.4	.1							2.4	7.3
SSE	.3	.8	.4	.2								1.7	6.4
S	1.1	5.2	3.1	.3								9.7	5.9
SSW	.2	3.8	4.2	.6								8.8	5.9
SW	1.3	4.6	6.3	1.1								13.7	6.9
WSW	.9	4.3	3.1	.3								8.6	6.3
W	1.6	7.3	3.9	.5	.1							13.4	6.0
WNW	1.0	4.6	2.3	.1								8.0	5.7
NW	.6	3.2	1.8	.1								5.8	5.9
NNW	.5	3.1	1.6	.2								5.5	5.8
VARBL													
CALM												1.2	
	10.9	47.1	32.8	6.7	1.1	.3						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23094  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	2.5	2.8	.6								6.2	7.2
NNE	.5	1.7	.4	.1		.1						2.9	6.0
NE	.2	1.0	.9		.1							2.2	6.4
ENE	.3	1.2	.3									1.8	5.0
E	.1	1.9	.4	.8		.1						3.3	7.9
ESE			.9	.8	.9	.2						2.7	14.3
SE	.5	1.4	.8	.3	.1	.1						3.2	7.2
SSE	.1	.8	.5	.2		.1						1.7	7.9
S	.5	3.3	3.5	1.2								8.6	7.3
SSW	.4	1.9	5.3	1.1	.1							8.8	8.1
SW	.6	5.8	6.3	1.4	.1							14.3	7.3
WSW	.1	3.0	6.0	1.2	.2							10.5	8.1
W	1.2	6.8	6.3	1.6	.5							10.5	7.5
WNW	.2	3.1	3.8	.4								7.5	6.9
NW	.8	2.9	2.5	.3								6.5	6.3
NNW	.1	1.7	.8	.2								2.8	6.6
VARBL													
CALM												.4	
	6.1	39.7	41.5	10.2	2.0	.6						100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEAR

AUG  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.6	2.5	1.4	.1							6.1	8.5
NNE		.9	1.0	.2	.2	.2		.1				2.6	11.2
NE	.1	1.3	1.2	.3	.1							3.0	7.4
ENE	.1	.3	1.3	.3								2.0	8.6
E	.2	1.0	1.5	1.8	1.3	.2	.2					6.2	12.6
ESE	.1	.9	.9	1.8	1.3	.3						5.3	13.1
SE		.6	.8	1.5	.3	.1						3.3	11.8
SSE	.1	.9	1.1	1.4	.2							3.7	10.0
S	.2	2.5	3.0	1.9	.3	.1						8.1	9.1
SSW		1.5	3.0	2.6	.1							7.2	9.6
SW		2.3	5.5	3.3	.8	.1						11.9	10.0
WSW	.2	1.8	5.1	2.7	.3							10.1	9.1
W	.5	3.8	6.0	2.2	.4							12.9	8.4
WNW	.2	2.9	2.9	1.4	.5							8.0	8.7
NW	.3	1.2	1.8	1.5	.1							5.0	8.8
NNW	.4	.6	1.8	.9	.3							4.1	9.1
VARBL													
CALM												.4	
	3.1	24.0	39.3	25.3	6.5	1.1	.2	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIP WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.6	2.9	1.1	.1							5.1	10.4
NNE	.1	.4	1.5	1.0		.2						3.2	10.5
NE		.8	.9	1.1	.1							2.8	9.5
ENE	.1	.8	.4	1.0								2.3	9.4
E	.2	.6	2.2	2.8	1.2	1.0	.1					8.1	13.4
ESE	.2	1.3	2.2	3.5	1.8	.2						9.2	12.2
SE	.1	3.3	3.8	3.0								10.2	8.7
SSE		2.0	2.5	1.2	.1							5.8	8.7
S	.6	3.2	4.6	2.0	.4							11.0	8.2
SSW		1.3	3.3	2.6	.8							8.0	10.1
SW	.3	2.3	4.6	1.6	.1							9.0	8.3
WSW	.2	2.2	3.2	.9	.2							6.7	8.0
W	.6	2.3	3.8	2.4	.4							9.5	8.9
WNW	.2	1.3	1.3	1.0	.3							4.1	8.8
NW		1.0	1.1	.3	.1	.2						2.7	9.3
NNW		.3	.9	.5	.1							1.8	9.7
VARB													
CALM												.5	
	2.8	23.7	39.2	25.9	6.1	1.6	.1					100.0	9.6

TOTAL NUMBER OF OBSERVATIONS

927



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	2.8	1.6	.2							6.0	9.4
NNE	.1	.9	1.4	.8	.1							3.2	8.7
NE	.1	1.4	1.2	.5	.1							3.3	7.7
ENE	.2	1.3	1.1	.2	.2							3.0	7.2
E	.1	2.1	3.0	3.1	1.9	.5						10.8	11.8
ESE	.2	3.0	4.9	5.7	2.1	.2						16.1	11.1
SE	.4	5.5	5.6	1.6								13.2	7.4
SSE	.2	5.3	2.9	.5								9.0	6.4
S	1.0	3.8	5.8	.4			.1					11.1	6.9
SSW	.3	1.7	1.7	.8	.1							4.6	7.4
SW	.3	.9	1.3	.5								3.0	7.5
WSW	.1	1.1	1.1	.4								2.7	7.1
W	.3	1.3	1.7	.5								3.9	7.3
WNW	.4	2.1	1.3	.1								3.9	6.2
NW	.1	1.2	1.2	.3								2.8	7.3
NNW	.2	.9	.8	.1								1.9	6.5
VARBL													
CALM												1.3	
	4.3	33.6	37.8	17.4	4.8	.8	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

926



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

ALL WEATHER  
CLASS

ALL  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	3.6	4.4	.8	.1							9.3	7.4
NNE	.4	1.6	1.4	.4	.0	.1		.0				3.8	7.3
NE	.3	1.7	1.2	.3	.1							3.5	6.6
ENE	.3	1.3	.8	.2	.0	.0						2.6	6.8
E	.4	1.7	1.6	2.3	.9	.4	.0					7.3	11.1
ESE	.5	2.1	1.6	2.4	1.0	.2						7.9	10.6
SE	.7	4.2	2.5	1.0	.1	.0						8.4	6.9
SSE	.6	2.9	1.7	.5	.0	.0						5.7	6.6
S	1.0	3.9	3.8	1.0	.1	.0	.0					9.9	6.9
SSW	.4	1.8	2.5	1.1	.2							6.0	8.1
SW	.5	2.3	3.2	1.1	.1	.0						7.3	7.7
WSW	.3	2.0	2.4	.7	.1							5.6	7.5
W	.9	3.3	2.9	.9	.2							8.2	7.2
WNW	.5	2.4	1.6	.4	.1							5.0	6.7
NW	.5	1.7	1.3	.4	.0	.0						3.9	6.7
NNW	.4	1.5	1.2	.3	.1							3.4	6.7
VARBL													
CALM												2.1	
	8.1	38.0	34.1	13.7	3.1	.8	.1	.0				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

7432



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME67-70, 73-78  
YEARSSEP  
MONTHALL WEATHER  
CLASS0000-0200  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	3.1	4.0	.7								8.4	7.0
NNE	.4	1.6	2.2	.4								4.7	7.2
NE	.7	2.0	2.3	.3								5.3	6.7
ENE	.6	1.7	1.7		.1							4.0	6.6
E	.4	2.8	2.1	4.6	2.0	.6						12.4	11.7
ESE	1.2	4.1	2.3	2.1	2.0	1.6						13.3	11.2
SE	.6	8.0	4.6	.8								13.9	6.4
SSE	.8	3.6	3.0	.2								7.6	6.0
S	2.1	4.9	3.0	.4								10.4	5.9
SSW	.1	.9	1.7	.8	.1							3.6	8.3
SW	.8	1.3	.3									2.4	5.0
WSW	.4	.4	.4		.1							1.4	6.2
W	.7	1.0	1.0	.3	.1							3.1	6.9
WNW	.2	.8	.6	.4								2.0	7.6
NW	.6	1.0	.4	.2								2.2	6.2
NNW	.1	1.0	.9	.2								2.2	6.8
VARBL													
CALM												2.9	
	10.3	38.1	30.6	11.6	4.4	2.1						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH  
0300-0500  
HOURS (LST)

ALL WEATHER

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	6.6	6.4	.8								15.0	6.7
NNE	.6	3.0	2.8	.4								6.8	6.6
NE	.9	2.6	2.6	.2								6.2	6.2
ENE	.3	2.8	1.6	.2	.1							5.0	6.5
E	.6	2.0	1.8	3.4	2.2	.2						10.2	11.8
ESE	.8	3.9	1.9	1.6	1.8	.2						10.1	9.4
SE	2.1	7.6	4.1	.4								14.2	5.6
SSE	.7	5.2	2.4									8.3	5.5
S	1.1	4.3	1.7	.1								7.2	5.3
SSW	.7	.7	.6	.1								2.0	5.6
SW	.1	.1	.7	.1								1.0	7.8
WSW	.7	.8	.2									1.7	4.3
W	.4	.3	.3	.1								1.3	6.0
WNW	.2	1.0	.3	.3								1.9	6.2
NW	.3	.9	.1									1.3	4.2
NNW	.3	1.8	1.2	.2								3.6	6.4
VARBL													
CALM												4.1	
	11.0	43.6	28.7	8.1	4.1	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 906



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	9.3	9.3	1.4	.3	.1						21.7	7.0
NNE	.6	2.9	2.7	1.0								7.1	6.9
NE	.4	3.3	1.2									5.0	5.5
ENE	.2	1.7	.7	.4								3.0	6.7
E	.9	1.2	1.0	3.4	.9	.8						8.2	12.1
ESE	.6	1.9	.6	1.7	.8	.4						5.9	10.6
SE	1.7	5.8	1.1	.3								8.9	5.3
SSE	1.1	3.9	1.1	.1								6.2	5.3
S	1.9	6.1	1.4	.2								9.7	5.2
SSW	.6	1.7	.9									3.1	5.3
SW	.6	.8	.9	.4								2.7	6.9
WSW	.9	1.1	.4									2.4	4.8
W	.4	1.7	.3									2.4	5.1
WNW	.3	1.6	.4									2.3	5.0
NW	.4	1.0	.9									2.3	5.4
NNW	.8	3.1	1.1	.2								5.2	5.8
VARBL													
CALM												3.8	
	12.4	47.0	24.1	9.3	2.0	1.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	6.0	4.0	1.4								12.7	6.6
NNE	.2	1.3	.9	.7								3.1	7.6
NE	.7	1.8	.8	.1								3.3	5.4
ENE	.2	.2	.7	.2								1.3	7.3
E	.4	1.2	.9	2.3	.9	.9						6.7	12.6
ESE	.3	1.1	.6	1.1	.6	.4						4.1	11.1
SE		.7	.4	.7	.1							1.9	9.6
SSE	.2	1.2	1.1	.1								2.7	6.5
S	.6	3.2	3.6	.7	.1							8.1	7.1
SSW	.9	3.3	3.7	.6								8.4	6.8
SW	.6	4.7	5.0	.9								11.1	7.1
WSW	.3	3.6	2.8	.9	.1							7.7	7.1
W	1.1	4.6	2.4	1.4								9.6	6.7
WNW	1.6	3.2	1.3	.3								6.4	5.4
NW	.7	4.1	1.6	.1	.1							6.6	6.0
NNW	.2	2.7	1.3	.6	.1							4.9	7.0
VARBL													
CALM												1.4	
	9.2	42.9	31.0	12.1	2.0	1.3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	2.1	2.0	1.0	.1							5.9	7.3
NNE	.2	.7	.9	.3								2.1	7.7
NE	.2	1.9	.7	.1								2.9	5.7
ENE	.2	.8	.3	.2								1.6	6.4
E	.3	1.2	.4	.9	.9	.3						4.1	11.3
ESE	.2	.6		1.0	1.1	.6						3.4	14.6
SE	.2	1.3	1.1	1.3	.2	.1						4.3	9.3
SSE	.1	.4	1.0	.2	.2							2.0	9.2
S	.9	3.3	3.9	1.1	.3							9.6	7.3
SSW	.2	2.1	3.1	1.2	.3							7.0	8.6
SW	.3	4.6	5.4	3.1	.4							13.9	8.5
WSW	.3	2.9	3.4	1.9	.3							8.9	8.2
W	.7	9.1	6.4	3.4	.7							15.3	8.5
WNW	.6	3.3	3.1	.9								7.9	6.9
NW	.4	2.4	2.3	1.1	.1							6.4	7.6
NNW	.2	1.3	1.1	.6	.1							3.3	7.7
VARBL													
CALM												.3	
	5.9	34.1	35.3	18.4	4.9	1.0						100.0	8.3

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-76  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		1.1	2.1	1.2	.4	.1						5.0	9.9
NNE	.2	.7	.6	.4	.1							2.0	8.1
NE	.2	.4	.7	.3	.1							1.8	8.8
ENE	.1	1.0	.3									1.4	5.4
E	.1	1.0	.7	1.3	.7	.3						4.1	12.3
ESE	.7	.8	.3	1.8	1.9	.3						5.8	13.3
SE	.4	.8	1.9	1.9	.4	.2						5.7	10.6
SSE	.2	.9	.9	.7	.1	.1						2.9	9.2
S	.4	1.3	2.8	1.7	.2							6.4	8.8
SSW	.3	1.2	3.6	3.4	.8							9.3	10.3
SW	.4	3.8	4.1	3.0	.7							12.0	8.9
WSW	.4	1.6	5.2	2.3	.3							9.9	9.2
W	.7	4.4	5.6	4.3	1.4	.1						16.6	9.4
WNW	.3	2.3	1.9	2.0	.6	.2						7.3	9.3
NW	.1	1.0	2.0	1.9	.4							5.4	10.2
NNW	.3	1.0	1.1	.9	.3							3.7	9.3
VARBL													
CALM												.7	
	5.1	23.3	33.7	27.2	8.6	1.4						100.0	9.7

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23204  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

ALL WEATHER

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	1.2	2.3	2.6	1.1	.2						7.6	11.3
NNE	.1	.4	1.2	.8	.1							2.7	9.3
NE	.4	.8	1.0	.6								2.8	7.5
ENE		1.0	.9	.1								2.0	6.7
E		.3	1.8	1.8	1.2	.6						5.7	13.6
ESE	.4	2.4	1.8	2.9	1.6	1.3	.1					10.6	12.5
SE	.4	2.8	4.0	1.9	.3							9.4	8.3
SSE		2.9	2.6	.8								6.2	7.3
S	.6	5.1	5.1	1.6	.1							12.4	7.3
SSW	.1	2.6	4.2	1.7	.2							8.8	8.5
SW	.2	1.9	4.1	1.9	.1							8.2	8.7
WSW	.3	2.8	1.8	.4	.1							5.4	6.9
W	.4	1.7	2.2	1.4								5.8	8.2
WNW	.4	1.7	2.6	1.1	.1							5.9	8.0
NW		.6	2.6	.7	.1							3.9	9.0
NNW	.1	.2	.9	.4	.2	.1						2.0	11.4
VARBL													
CALM												.7	
	3.8	28.3	39.0	20.6	5.3	2.2	.1					100.0	9.0

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	1.9	3.0	2.2	.2	.1						7.9	8.9
NNE	.2	1.0	1.7	.2	.1							3.2	7.3
NE	.3	1.2	.8									2.3	6.1
ENE		.9	.3									1.2	5.6
E	.1	3.1	3.4	4.1	1.8	.8	.2					13.6	11.7
ESE	1.0	4.8	3.0	5.1	2.2	1.2	.3					17.7	11.5
SE	.5	6.6	5.8	.8								13.7	6.8
SSE	.1	4.4	2.6	.4								7.6	6.5
S	.8	4.3	5.1	.8	.1							11.1	7.0
SSW	.1	.6	2.1	1.2								4.3	9.2
SW	.1	1.6	.9	.1	.1							2.8	6.9
WSW	.2	1.2	.3	.3								2.1	6.5
W	.4	1.3	1.2	.9								3.9	7.4
WNW	.1	.9	.7	.2								1.9	6.5
NW	.4	1.0	.8	.3								2.6	6.5
NNW		.9	1.0	.6	.1							2.6	9.1
VARBL													
CALM												2.0	
	5.0	35.7	32.7	17.3	4.7	2.1	.6					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-76  
YEARS

SEP  
MONTH

ALL WEATHER  
CLASS

ALL  
ACROSS (L.S. T.)

COGNITION

SPEED (KNTS) DIR.	1-2	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	3.9	4.2	1.4	.3	.1						10.5	7.7
NNE	.3	1.4	1.6	.5	.0							4.0	7.3
NE	.5	1.7	1.2	.2	.0							3.7	6.3
ENE	.2	1.2	.8	.2	.0							2.4	6.5
E	.4	1.6	1.5	2.7	1.3	.6	.0					8.1	12.0
ESE	.7	2.4	1.3	2.2	1.5	.8	.1					8.9	11.5
SE	.7	4.2	2.9	1.0	.1	.0						9.0	7.0
SSE	.4	2.8	1.8	.3	.0	.0						5.4	6.5
S	1.0	4.1	3.3	.8	.1							9.4	6.7
SSW	.4	1.6	2.5	1.1	.2							5.8	8.3
SW	.4	2.3	2.7	1.2	.2							6.8	8.0
WSW	.5	1.8	1.8	.7	.1							4.9	7.5
W	.6	2.5	2.4	1.5	.3	.0						7.4	6.1
WNW	.5	1.8	1.4	.7	.1	.0						4.5	7.2
NW	.4	1.5	1.3	.5	.1							3.8	7.4
NNW	.3	1.5	1.1	.5	.1	.0						3.4	7.6
VARBL													
CALM												2.0	
	7.8	36.6	31.9	15.6	4.5	1.5	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0000-0200  
NOV 73 (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	4.0	6.9	2.3	.2							13.9	8.0
NNE	.4	1.3	3.3	.4								5.5	7.3
NE	.5	2.6	2.5	.4								6.0	6.6
ENE	.4	2.4	.8	.2								3.8	5.9
E	.6	3.7	1.7	3.3	2.6	1.2	.1	.1				13.3	12.4
ESE	1.0	4.7	2.5	.5	.9	.5	.3					10.2	8.9
SE	1.0	6.8	5.2	.3	.1							15.3	6.3
SSE	1.0	3.7	2.8									7.4	5.7
S	.6	2.3	2.9	.2								6.0	6.5
SSW	.4	1.3	1.8	.6	.1							4.3	7.8
SW	.1	.6	.2	.2	.1							1.3	7.8
WSW	.2	.8	.4	.4								1.8	7.1
W	.9	.9	.6		.2							2.6	6.2
WNW	.3	.9	.3	.2	.1							1.8	6.9
NW	.2	.6	.5	.3	.1							1.8	7.8
NNW	.4	1.3	1.2	.3	.2							3.4	7.4
VARBL													
CALM												3.4	
	8.7	37.6	33.4	9.9	4.6	1.7	.4	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	5.2	6.9	1.3	.2							15.2	7.5
NNE	.2	3.5	3.9	.6								8.1	7.0
NE	1.1	3.2	1.5	.3								6.1	5.9
ENE	.3	2.5	1.7	.1								4.6	6.1
E	.4	2.8	1.2	2.3	2.8	1.5	.1					11.1	13.4
ESE	1.2	4.0	.5	.6	.4	.5						7.3	8.0
SE	.9	7.1	3.4	.1								11.5	5.8
SSE	.6	5.1	2.5									8.2	5.5
S	1.5	3.2	2.0	.1								6.9	5.3
SSW	.6	1.0	.5	.2								2.4	6.0
SW	.3	1.2	.4									1.9	5.4
WSW	.6	.9	.6									2.2	5.3
W	.5	.6	.6	.1								1.9	5.5
WNW	.3	1.6	.2	.1								2.3	5.7
NW	.1	1.3	.2		.1							1.7	5.8
NNW	.4	2.3	1.4	.5	.1							4.7	6.6
VARBL													
CALM												4.0	
	10.3	45.4	27.7	6.8	3.7	2.0	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.8	9.6	10.8	1.8	.1							24.1	7.0
NNE	.6	2.5	3.6	.5								7.2	6.9
NE	1.1	3.1	1.3									5.5	5.3
ENE	.5	1.5	.6	.3								3.0	5.9
E	.6	1.8	.4	2.6	1.3	.6						7.4	11.9
ESE	.9	2.5	.4	.8	1.1	1.2						6.8	11.3
SE	1.3	4.8	2.0	.1		.1						8.4	5.6
SSE	.5	3.2	1.4									5.2	5.3
S	.9	4.4	2.5	.2								8.0	6.0
SSW	.8	1.1	.6	.1								2.6	5.4
SW	.6	.9	.4	.3								2.3	5.9
WSW	.3	.9	.5	.2								1.9	6.2
W	1.0	1.9	.3									3.2	4.6
WNW	.6	1.4	.3									2.4	4.5
NW	.8	1.2	.3	.2								2.5	5.2
NNW	.5	2.3	1.1	.3								4.2	6.1
VARBL													
CALM												5.4	
	12.9	43.1	26.7	7.5	2.5	1.9						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	5.4	5.5	2.0		.1						14.4	7.1
NNE	.3	.3	.6	.9								2.2	8.4
NE	.4	1.0	.5									1.9	5.1
ENE	.5	.4	.2	.3								1.5	7.0
E	.4	.3	.4	1.9	1.7	1.0	.1					5.9	15.3
ESE	.1		.4	.5	1.6	.6						3.3	16.7
SE	.3	.5	.2	.9	.1							2.0	8.9
SSE	.3	.5	.5	.2								1.6	7.1
S	.8	4.7	3.2	.3	.1							9.1	6.2
SSW	.6	4.1	3.4	1.5	.3	.1	.1					10.2	8.1
SW	1.1	4.7	3.5	.9	.1	.1						10.4	6.7
WSW	.4	2.9	2.3	.9	.1							6.6	7.0
W	1.4	4.7	1.6	1.1		.1						8.9	6.4
WNW	.5	2.5	1.2	.3		.1						4.6	6.6
NW	1.0	3.7	1.1	.6	.2							6.6	6.3
NNW	1.0	4.2	2.9	1.1	.3							9.5	6.9
VARBL													
CALM												1.2	
	10.6	40.0	27.7	13.4	4.6	2.2	.2					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.9	1.4	1.1	.3							6.1	7.9
NNE	.3	.6	.2		.1							1.3	5.5
NE	.2	.5	.2	.4								1.4	7.2
ENE	.1	.6	.2	.1	.1							1.2	6.9
E	.2	.6	.5	.8	.8	.9	.1					3.9	14.6
ESE	.1	.4	.6	1.4	.8	.1	.1					3.5	13.4
SE		.4	.4	.5	.1							1.5	9.9
SSE	.2	.4	.4	.3								1.4	8.1
S	.6	4.0	4.5	.8	.1							10.0	7.2
SSW	.2	2.6	5.2	2.2	.4	.3	.2					11.1	9.9
SW	.5	4.3	6.2	2.6	.3	.1						14.1	8.2
WSW	.5	4.2	3.2	1.5								9.5	7.3
W	1.0	4.3	4.6	3.1	.5	.2						14.3	8.4
WNW	1.0	2.9	2.0	1.0	.5	.2						7.6	8.3
NW	1.2	3.5	1.7	1.3	.4	.1						8.3	7.7
NNW	.2	1.6	1.2	.8	.2							4.0	8.4
VARBL													
CALM												.9	
	6.9	34.6	32.8	17.7	4.7	1.9	.4					100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.3	1.4	1.9	.2	.1						5.4	9.6
NNE	.1	.5	.5	.8								1.9	8.5
NE	.2	.6	.6	.2	.1							1.8	7.5
ENE	.2	.3	.1	.1	.1							.9	7.8
E	.2	.6	.3	.8	1.0	.8						3.7	14.9
ESE	.5	.3	.4	1.3	.9	.4						3.9	13.2
SE	.3	1.0	.4	1.5	.1							3.3	9.2
SSE	.3	.9	1.4									2.6	6.5
S	.6	4.9	3.7	1.5	.2							11.0	7.2
SSW	.6	3.5	4.6	2.4	1.1	.3						12.6	9.3
SW	1.0	4.1	6.0	2.0	.6	.4						14.2	8.4
WSW	.5	4.0	2.7	1.1	.1	.1						8.5	7.4
W	.9	3.4	3.0	3.2	1.0	.4						11.9	9.6
WNW	.6	1.4	1.6	1.4	1.0	.1						6.1	10.1
NW	.5	1.1	1.2	2.7	.6	.1		.1				6.3	11.4
NNW	.2	1.3	.8	2.4	.4							5.1	10.8
VARBL													
CALM												.9	
	7.4	29.4	28.8	23.2	7.4	2.8		.1				100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
 USAFETAC  
 AIR WEATHER SERVICE/MAC

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23004  
 STATION

KIRTLAND AFB NM  
 STATION NAME

67-70, 73-78  
 YEARS

OCT  
 MONTH

ALL WEATHER  
 CLASS

1800-2000  
 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.2	4.4	2.3	.5	.3		.1				8.9	10.6
NNE	.1	.4	2.5	.5	.2	.1						3.9	9.6
NE		1.0	1.8	.2	.1							3.1	8.0
ENE	.1	1.1	.8	.2								2.2	6.6
E	.3	3.1	1.8	1.8	1.5	.3	.1					9.0	10.5
ESE	.3	4.1	2.2	1.8	1.4	.8	.1					10.6	10.5
SE	.2	6.9	3.8	.3		.1						11.3	6.4
SSE	.2	4.1	1.8									6.1	5.9
S	.4	5.4	3.9	1.4	.4	.1						11.6	7.6
SSW	.2	1.7	3.0	.8	.3							6.0	8.3
SW	.2	2.3	2.4	1.4	.3							6.6	8.3
WSW	.2	1.4	1.1	.6								3.3	7.1
W	.1	2.3	2.8	.4	.1							5.7	7.6
WNW	.9	.9	1.2	.1	.2							3.2	6.8
NW	.1	.2	2.4	.8	.4		.1					4.0	10.6
NNW		.5	1.1	1.1	.3							3.0	10.6
VARBL													
CALM												1.4	
	3.5	36.5	36.8	13.8	5.9	1.7	.3	.1				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	3.2	5.8	2.0	.9	.1						12.7	8.7
NNE	.3	1.3	2.6	.4								4.6	7.3
NE	.2	1.4	1.6	.4								3.7	7.4
ENE	.4	1.2	1.0	.3								2.9	6.6
E	.5	3.7	2.2	3.7	2.4	.5	.4					13.3	11.8
ESE	.5	4.5	1.9	1.6	1.0	.6	.1					10.3	9.6
SE	1.3	7.6	3.8	.4								13.1	5.9
SSE	.4	4.6	1.8									5.9	5.6
S	.8	4.3	3.7	.6								9.4	6.6
SSW		.6	1.2	1.6	.5							4.0	11.2
SW	.1	1.1	1.0	.4								2.6	7.3
WSW	.5	.5	.2	.8								2.0	7.9
W	.4	1.0	1.0	.6								3.0	7.5
WNW	.5	1.0	1.1	.3								2.9	6.9
NW		1.0	1.1	.3								2.4	7.8
NNW	.3	1.1	1.2	.6		.1						3.3	8.2
VARBL													
CALM												2.9	
	7.1	38.1	31.0	14.3	4.7	1.4	.5					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## SURFACE WINDS

### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

ALL WEATHER  
CLASS

ALL  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	4.1	5.4	1.9	.3	.1		.0				12.6	8.0
NNE	.3	1.3	2.2	.5	.0	.0						4.3	7.5
NE	.5	1.7	1.3	.3	.0							3.7	6.4
ENE	.3	1.3	.7	.2	.0							2.5	6.4
E	.4	2.1	1.1	2.1	1.7	.8	.1	.0				8.5	12.7
ESE	.6	2.6	1.1	1.1	1.0	.6	.1					7.0	10.6
SE	.7	4.4	2.4	.5	.1	.0						8.1	6.4
SSE	.5	2.8	1.6	.1								4.9	5.8
S	.8	4.2	3.3	.6	.1	.0						9.0	6.7
SSW	.4	2.0	2.6	1.2	.3	.1	.0					6.6	8.8
SW	.5	2.4	2.5	1.0	.2	.1						6.7	7.7
WSW	.4	1.9	1.4	.7	.0	.0						4.5	7.1
W	.8	2.5	1.8	1.1	.2	.1						6.5	7.7
WNW	.6	1.6	1.0	.4	.2	.1						3.9	7.6
NW	.5	1.6	1.1	.8	.2	.0	.0	.0				4.2	8.2
NNW	.4	1.8	1.3	.9	.2	.0						4.7	7.9
VARB													
CALM												2.5	
	8.4	38.1	30.6	13.3	4.8	2.0	.3	.0				100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7439



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	7.4	8.8	1.3	.1							18.7	7.0
NNE	.4	1.8	2.9	.6								5.7	7.2
NE	.6	3.1	1.9									5.6	5.8
ENE	.9	1.8	.8	.1	.1							3.7	5.8
E	.9	2.8	.7	.8	.9	.4	.2					6.7	9.8
ESE	1.1	4.0	1.1	.7	.3	1.2	.1					8.6	9.5
SE	1.1	6.8	3.0									10.9	5.6
SSE	1.1	4.9	1.8									7.8	5.5
S	.9	2.8	2.6	.6	.2	.1						7.1	7.1
SSW	.2	.7	.6	.6	.1							2.1	8.7
SW	.2	.8	1.1	1.3								3.4	9.0
WSW		.7	.8	.3								1.8	7.8
W	.7	1.4	.2	.1	.1							2.6	5.3
WNW	.7	1.1	.9	.2								2.9	5.7
NW	.6	1.0	1.0	.6		.1						3.2	7.7
NNW	.7	2.0	1.8	.8	.1							5.3	7.3
VARB.													
CALM												4.1	
	11.0	43.0	29.8	7.9	2.0	1.9	.3					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.3	7.4	10.7	2.3	.3							22.1	7.5
NNE	.7	2.3	4.0	.4								7.4	7.0
NE	.6	4.2	2.3									7.1	5.9
ENE	.7	2.3	.6	.4								4.0	5.9
E	1.0	2.2	.4	1.2	.3	.4	.1					5.8	9.6
ESE	.8	3.8	1.3	.6	.7	.2						7.3	.7
SE	1.0	5.4	2.7									9.1	5.6
SSE	.4	5.0	1.7									7.1	5.6
S	.9	2.7	2.0	1.0	.3							6.9	7.4
SSW	.7	1.3	1.1									3.1	5.6
SW	.3	.7	1.2	.1	.4							2.5	8.5
WSW	.4	.9	.6									1.9	5.5
W	.4	1.2	.1	.3								2.1	5.5
WNW	.9	1.2	.7									2.8	5.2
NW	.2	1.4	.3	.2								2.2	6.1
NNW	.3	2.7	.6	.2	.4							4.2	7.2
VARB.													
CALM												4.0	
	10.7	44.9	30.2	6.9	2.6	.7	.1					100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0600-0600  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	8.3	8.8	3.0	.2							21.6	7.5
NNE	.2	2.3	2.8	1.1								6.4	7.7
NE	.7	2.7	1.8	.3	.2							5.7	6.6
ENE	.9	1.8	.6									3.2	4.7
E	1.0	1.7	.6	1.9	.4	.1	.3					6.0	10.1
ESE	.8	3.8	.6	.6	.7	.1						6.4	7.6
SE	1.8	6.2	1.6									9.6	5.1
SSE	.9	3.4	.9									5.2	4.9
S	1.3	4.1	1.8	.3	.4							8.0	6.3
SSW	.8	1.1	.9	.4	.1							3.3	6.6
SW	.6	.7	1.0	.3								2.6	6.9
WSW	.4	1.1	.2	.3								2.1	5.9
W	1.2	1.6	.4	.1								3.3	4.8
WNW	1.1	1.6	.3			.1						3.1	5.0
NW	1.4	1.1	.6	.1								3.2	5.0
NNW	.6	3.0	.9	.6	.3							5.3	7.0
VARBL													
CALM												4.9	
	14.9	44.4	23.6	9.1	2.4	.3	.3					100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.9	7.6	8.0	4.3	.7	.1						21.6	6.3
NNE	.4	1.6	1.3	.3								3.7	6.4
NE	.7	.6	.9									2.1	5.5
ENE	.6	.4	.2	.1								1.3	5.0
E	.7	.4		1.3	.8		.2					3.4	12.8
ESE	.3	.6		.6	.7	.3						2.4	13.0
SE	.4	1.4	.1		.1	.1						2.2	6.1
SSE	.8	1.6	.6	.1								3.0	5.0
S	1.2	4.1	1.8	.2	.2	.3						7.9	6.9
SSW	.6	3.0	2.9	.6	.1		.1	.1				7.3	8.0
SW	.6	4.3	2.1	1.4								8.4	6.9
WSW	1.4	2.3	1.9	.6	.1							6.3	6.6
W	1.3	2.8	1.4	.8	.2	.3						6.9	7.6
WNW	1.6	3.2	1.4									6.2	4.9
NW	1.9	4.1	1.0	.2	.1	.3						7.7	6.2
NNW	.8	4.0	2.4	.9		.1						8.2	6.8
VAZBL													
CALM												1.2	
	14.1	42.0	26.1	11.4	3.0	1.7	.3	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23504  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-76  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	3.4	2.6	2.7	1.4							10.6	9.8
NNE	.4	1.0	.6	.3								2.3	6.3
NE	.4	1.3	.2	.1								2.1	4.9
ENE	.2	.8										1.0	4.6
E	.3	.3	.6	.7	.9	.1						2.9	12.3
ESE	.2	.2	.2	1.7	.7	.2						3.2	13.5
SE	.1	1.0	.1	.1	.1							1.4	6.5
SSE	.2	1.4	.3									2.0	5.6
S	.2	3.7	4.0	.8	.1	.4	.1					10.3	7.9
SSW	.7	3.8	4.2	1.4	.1	.1	.1	.1				10.6	8.1
SW	.9	4.1	4.9	1.2	.1	.2						11.4	7.4
WSW	.9	3.3	1.9	1.0		.2						7.3	7.2
W	1.7	4.0	2.6	1.2	1.2	.6		.7				11.4	9.1
WNW	.8	3.1	1.2	.4	.1	.1	.2					6.0	7.5
NW	.7	2.9	2.0	1.7	.3	.1						7.7	8.4
NNW	.3	1.6	2.7	2.1	.9	.4	.1					8.1	11.1
VARB.													
CALM												1.6	
	9.6	36.0	28.0	15.4	6.0	2.6	.6	.3				100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NH  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	1.7	2.9	4.1	1.6	.1						10.9	11.1
NNE		.3	.7		.1	.1						1.2	10.0
NE	.2	.6	.4	.1	.2							1.6	8.4
ENE		.2	.1									.3	6.3
E	.2	.6	.4	1.3	.9	.3						3.8	13.2
ESE		.6	.2	2.0	.6	.2						3.6	13.3
SE	.6	1.2	.2	.2	.1							2.3	6.2
SSE	.7	2.2	.8	.1								3.8	5.4
S	1.9	7.0	3.8	.8	.1	.1						13.7	6.2
SSW	.2	4.1	3.4	1.7	.1		.1					9.7	7.
SW	1.0	4.3	2.9	.7		.4						9.3	7.
WSW	1.4	4.0	1.6	1.0		.3						8.3	6.9
W	.9	3.1	1.8	2.1	1.8	.1	.1	.1				10.0	10.4
WNW	.7	2.1	1.3	1.0	.2	.2		.1				5.7	8.7
NW	.1	1.3	1.2	1.9	.9	.1						5.6	11.4
NNW	.4	1.1	1.2	3.1	1.8	.6	.1					8.3	13.2
VARBL													
CALM												2.0	
	8.9	34.4	23.0	20.1	6.3	2.7	.3	.2				100.0	8.9

TOTAL NUMBER OF OBSERVATIONS 900



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

**SURFACE WINDS**

23004 KIRTLAND AFB NM 67-70,73-78 NOV  
STATION STATION NAME YEARS MONTH  
ALL WEATHER  
CLASS  
CONDITION  
1800-2000  
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	6.4	6.1	.8							15.9	9.9
NNE	.1	.7	1.9	1.6								4.2	9.1
NE	.1	1.1	.9	.2								2.3	6.7
ENE	.8	1.1	.6	.3								2.8	5.8
E	.9	3.2	.9	2.3	.4	.2						8.9	10.5
ESE	1.0	4.3	3.1	2.0	.6	.4						11.4	8.4
SE	.8	7.3	2.4	.2	.1							10.9	5.8
SSE	1.0	2.8	1.1	.1								5.0	5.3
S	.9	5.0	2.0	.7								8.6	6.2
SSW	.7	1.1	1.4	.4								3.7	6.8
SW	.2	1.8	1.1	.2	.3							3.7	7.4
WSW	.3	1.9	1.6	.1								3.9	6.4
W	.4	1.9	1.8	.7	.1							4.9	7.4
WNW	.1	1.1	2.6	.7		.2	.1					4.8	9.5
NW	.2	.3	.8	1.0	.1							2.4	9.8
NNW	.1	1.0	1.3	1.7	.2	.1						4.4	10.3
VARBL													
CALM												2.2	
	8.1	36.8	29.9	18.3	2.7	1.7	.3					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

2100-2300  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.9	3.6	7.3	4.1								15.9	8.6
NNE	.2	1.4	2.9	.7								5.2	7.7
NE	.6	2.2	1.6	.1								4.4	6.0
ENE	.6	2.6	1.2	.3								4.7	6.2
E	1.3	4.3	1.2	1.7	1.2	1.1	.3					11.2	10.5
ESE	1.1	5.8	1.4	1.0	.4	.4	.4					10.7	8.3
SE	1.2	5.3	3.0	.2								9.8	5.8
SSE	1.6	3.2	1.9									6.7	5.2
S	.9	3.4	3.0	1.0								8.3	6.9
SSW	.3	.6	.7	.4	.1							2.1	7.8
SW	.2	.7	.6	.1								1.6	6.3
WSW	.3	.8	.7	.3								2.1	6.8
W	1.1	1.7	1.8	.2								4.8	6.2
WNW	.2	1.4	.3	.3	.3	.1						2.8	9.0
NW	.7	1.1	1.2	.2								3.2	6.4
NNW	.2	1.7	1.7	.7	.3							4.6	8.0
VARBL													
CALM												2.0	
	11.4	39.8	30.4	11.4	2.4	1.7	.8					100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

ALL WEATHER  
CLASS

ALL  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	5.2	6.9	3.5	.6	.0						17.1	8.4
NNE	.3	1.4	2.1	.6	.0	.0						4.5	7.5
NE	.5	2.0	1.2	.1	.1							3.9	6.1
ENE	.6	1.4	.5	.2	.0							2.6	5.6
E	.8	1.9	.6	1.4	.7	.4	.2					6.1	10.7
ESE	.7	2.9	1.0	1.1	.6	.4	.1					6.7	9.2
SE	.9	4.3	1.6	.1	.1	.0						7.0	5.7
SSE	.8	3.1	1.1	.0								5.1	5.3
S	1.2	4.1	2.6	.7	.2	.1	.0					8.8	6.6
SSW	.5	2.0	1.9	.7	.1	.0	.0	.0				5.2	7.6
SW	.5	2.2	1.9	.7	.1	.1						5.4	7.4
WSW	.7	1.9	1.1	.5	.0	.1						4.2	6.7
W	1.0	2.2	1.3	.7	.4	.1	.0	.0				5.7	8.0
WNW	.7	1.9	1.1	.3	.1	.1	.0	.0				4.3	7.0
NW	.7	1.7	1.0	.7	.2	.1						4.4	7.8
NNW	.4	2.1	1.6	1.2	.5	.2	.0					6.1	9.2
VARBL													
CALM												2.7	
	11.1	40.2	27.6	12.6	3.7	1.6	.4	.1				100.0	7.4

TOTAL NUMBER OF OBSERVATIONS

7200



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0000-0200  
HOURS (L S T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	5.6	12.8	5.6	.3							25.3	8.6
NNE	.5	2.6	3.7	.9								7.6	7.4
NE	.6	1.8	1.4	.1								4.0	5.0
ENE	.6	1.4	.3									2.4	4.8
E	.9	2.2	.4	.6	1.0	.5	.1					5.7	10.3
ESE	.8	2.0	1.1	.4	.2	.8	.1					5.4	9.5
SE	1.0	4.5	3.0									8.5	5.6
SSE	.2	4.2	1.6									6.0	5.8
S	1.1	3.5	1.5	.8	.2	.1						7.2	6.8
SSW	.4	.6	.1	.2	.3							1.7	8.1
SW	.5	.9	1.1	.5								3.0	7.1
WSW	.1	.9	.6	.5								2.2	7.7
W	.4	1.6	1.2	.2	.3	.1						3.9	7.8
WNW	.6	2.3	.9			.1						3.9	5.8
NW	.1	1.3	1.3	.1		.1						2.9	7.3
NNW	.3	2.4	1.8	.8	.2	.1						5.6	7.8
VARBL													
CALM												4.8	
	9.2	37.7	32.8	10.8	2.6	1.8	.2					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 230



2

GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATIONKIRTLAND AFB NM  
STATION NAME67-70, 73-78  
YEARSDEC  
MONTHALL WEATHER  
CLASS0300-0500  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) D.R.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	6.9	11.0	4.1	.3							23.0	8.1
NNE	.8	3.1	4.9	1.7								10.5	7.6
NE	.6	2.4	1.5									4.5	5.7
ENE	.4	2.2	.4									3.0	5.3
E	.8	2.6	.3		.3	.3	.2					4.5	8.3
ESE	.5	3.8	.8	.3	.2	1.0	.2					6.8	9.6
SE	1.6	3.8	2.6	.2								8.2	5.7
SSE	.6	2.0	1.0									3.7	5.3
S	.5	2.6	2.0	.8	.2	.2						6.3	7.6
SSW	.5	.6	.8	.2								2.2	6.4
SW	.4	1.0	.9	.5								2.8	7.5
WSW	.9	.8	.3	.2								2.2	5.4
W	.8	1.5	1.2			.1						3.5	6.3
WNW	.5	1.3	.4	.3	.1	.1	.1					2.9	7.9
NW	.9	1.7	.8	.6		.1						4.1	7.2
NNW	.2	2.2	2.5	.6	.3							5.8	7.9
VARBL													
CALM												6.0	
	10.9	38.3	31.3	9.7	1.5	1.8	.5					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0600-0800  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	8.8	12.7	4.5	.2							26.9	8.0
NNE	.6	2.4	3.9	1.2								8.3	7.6
NE		2.3	1.4	.2								3.9	6.7
ENE	.4	1.4	.4	.2								2.5	6.0
E	.8	1.6		.3	.3	.4	.3					3.8	10.9
ESE	1.0	1.9	.9		.3	.4	.2					4.7	9.0
SE	1.5	5.5	1.9	.1								9.0	5.3
SSE	.6	2.5	1.8									4.9	5.8
S	1.6	2.6	1.8	.5	.2							6.6	6.3
SSW	.5	.6	.3	.6	.3							2.5	8.7
SW	.4	.6	.6	.2								1.9	6.1
WSW	.4	.5	.9									1.8	6.1
W	1.0	2.4	1.1	.1	.2							4.7	5.8
WNW	.3	1.5	.2	.1		.1						2.3	6.2
NW	.9	1.1	1.8	.5	.1							4.4	7.0
NNW	.9	2.6	1.4	.8	.3							5.9	7.1
VARBL													
CALM												5.9	
	11.6	38.5	31.0	9.5	2.0	1.0	.5					100.0	6.8

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

0900-1100  
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	6.8	10.1	6.9	.3							25.2	8.7
NNE	.4	2.3	2.4	1.0								6.0	7.4
NE	.3	.8	.6	.2								1.9	6.5
ENE	.5	.8	.4									1.7	4.9
E	.3	.3	.1	.3	.9	.2	.2	.1				2.5	15.8
ESE	.4	.8			.3	.3	.8					2.6	16.0
SE	.5	1.2	.8									2.5	5.1
SSE	.3	2.2	1.1									3.5	5.4
S	1.2	4.2	1.7	.6	.1	.1						8.0	6.4
SSW	1.0	1.9	1.4	.5	.2	.1	.1					5.4	7.7
SW	.9	1.9	1.4	1.2	.2							5.6	7.8
WSW	1.1	1.8	.5	.8	.1							4.3	6.7
W	1.7	3.0	.8	.5	.5							6.6	6.4
WNW	1.1	2.6	.6	.3	.1							4.7	5.8
NW	1.2	3.3	1.2	.5	.5	.2	.2					7.2	8.0
NNW	1.0	3.5	2.8	1.2	.8							9.2	7.9
VARBL													
CALM												3.1	
	13.0	37.3	25.9	14.2	4.1	1.0	1.3	.1				100.0	7.6

TOTAL NUMBER OF OBSERVATIONS

930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1200-1400  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	3.7	4.6	6.5	1.3	.2						17.3	10.1
NNE	.4	.6	.5	.3								1.9	7.0
NE	.1	1.6	.8									2.5	5.8
ENE	.4	.4	.1									1.0	4.1
E	.5	1.2		.4	.3	.4	.5	.2				3.7	14.7
ESE	.4	.8	.1	.2	.2	.4	.2					2.4	12.8
SE	.4	1.0	.4									1.8	4.9
SSE	.5	.9	.2									1.6	4.6
S	2.5	3.8	3.4	.9	.2							10.8	6.3
SSW	1.4	2.7	2.3	.6	.3							7.3	6.9
SW	1.4	4.0	2.8	.8								8.9	6.4
WSW	.9	2.9	1.0	.2	.1	.2	.1					5.4	7.2
W	1.5	3.2	2.3	1.2	.9	.8	.1					9.9	9.4
WNW	.8	3.4	1.1	1.2	.5	.3						7.3	8.6
NW	.8	2.8	1.9	1.4	1.0	.4	.3					8.6	10.5
NNW	.3	1.9	1.5	2.4	1.1	.1						7.5	10.4
VARBL													
CALM												2.2	
	13.7	34.8	23.0	16.0	5.9	2.9	1.3	.2				100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1500-1700  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.1	4.4	6.4	2.0	.4						17.3	11.1
NNE	.4	1.1	.6	1.1								3.2	7.8
NE	.1	.6	.8	.2								1.7	7.4
ENE	.1	.3		.1								.5	6.0
E	.3	.4	.1	.2	1.2	.5	.2	.2				3.2	17.4
ESE	.3	.3	.4	.4	.3	.1						1.9	10.4
SE	.2	1.1	.5	.1								1.9	5.9
SSE	.5	1.8	.2									2.6	5.0
S	1.4	5.5	3.6	.8	.1							11.3	6.3
SSW	2.3	4.0	2.0	1.1	.2							9.6	6.5
SW	2.3	3.8	2.0	.3	.1							8.5	5.6
WSW	1.4	2.8	.6	.3	.4							5.6	6.6
W	1.4	3.8	1.4	1.1	.8	.3						8.7	8.1
WNW	.9	1.4	.4	1.4	1.0	.5						5.6	10.9
NW	.6	1.6	.5	1.8	1.1	.5						6.2	11.6
NNW	.9	1.5	1.4	2.4	1.3	.6						8.1	11.4
VARBL													
CALM												3.9	
	14.1	33.2	19.2	17.7	8.5	3.1	.2	.2				100.0	8.5

TOTAL NUMBER OF OBSERVATIONS

929



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

1800-2000  
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	3.5	8.7	6.3	1.0							20.4	9.6
NNE		1.7	4.1	1.5	.1							7.4	8.6
NE	.5	1.9	1.5	.1								4.1	6.0
ENE	.5	1.3	1.1	.1								3.0	5.8
E	.8	1.7	.9	1.0	.5	.2	.4	.1				5.6	10.9
ESE	.3	3.8	1.4	.4	.6	.1						6.7	7.7
SE	1.3	6.5	2.9	.1								10.8	5.6
SSE	.5	3.8	1.2									5.5	5.4
S	1.1	4.1	1.5		.1							6.8	5.5
SSW	.8	1.9	.4	.6	.2							4.0	7.1
SW	.3	1.3	.4	.6	.2							2.9	7.9
WSW	.3	1.5	1.3	.3	.1							3.6	7.0
W	1.0	1.6	.8	1.2	.1							4.6	7.5
WNW	.6	1.4	.4	.6	.2							3.3	7.5
NW	.2	1.0	1.2	1.1	.1							3.6	8.5
NNW	.4	.9	1.2	.9	.2							3.6	8.9
VARBL													
CALM												4.1	
	9.7	37.9	29.0	14.9	3.6	.3	.4	.1				100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

927



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEC  
MONTH

ALL WEATHER  
CLASS

2100-2300  
MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	5.5	9.3	6.0	.4							21.5	8.9
NNE	.2	3.0	4.6	.8	.1							3.7	7.6
NE	.3	2.2	1.9	.2								4.6	6.5
ENE	.5	1.2	.5	.1								2.4	5.5
E	.9	1.8	.8	.8	.8	.2	.2					5.4	9.8
ESE	1.0	3.7	.9	.1	.5	.3	.1					6.6	7.9
SE	2.3	4.1	2.2	.2								8.7	5.4
SSE	.6	2.7	2.3									5.6	5.9
S	1.0	2.5	2.6	.4	.2							6.7	6.9
SSW	.2	1.1	.4	.5	.1							2.4	8.0
SW	.1	.6	.6	.6								2.0	8.4
WSW	.6	.5	.5	.5								2.3	6.7
W	.6	1.7	.8	.9	.2	.1						4.3	7.9
WNW	.4	1.4	.9	.5								3.2	7.1
NW	.8	2.0	1.1	.6	.1							4.6	6.8
NNW	.2	2.5	2.3	.9	.4							6.3	8.3
VAR3L													
CALM												4.6	
	10.0	36.6	31.6	13.3	2.9	.6	.3					100.0	7.2

TOTAL NUMBER OF OBSERVATIONS

927



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-75  
YEARS

DEC  
MONTH

ALL WEATHER  
CLASS

ALL  
WINDS (LIST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-54	≥56	%	MEAN WIND SPEED
N	.8	5.5	9.2	5.8	.7	.1						22.1	9.0
NNE	.4	2.1	3.1	1.0	.0							6.7	7.7
NE	.3	1.7	1.2	.1								3.4	6.2
ENE	.5	1.1	.4	.1								2.1	5.3
E	.6	1.5	.3	.5	.7	.4	.3	.1				4.3	11.7
ESE	.6	2.1	.7	.7	.3	.4	.2					4.6	9.6
SE	1.1	3.4	1.8	.1								6.4	5.5
SSE	.5	2.5	1.2									4.2	5.5
S	1.3	3.6	2.2	.6	.2	.1						9.0	6.5
SSW	.9	1.7	1.0	.6	.2	.0	.0					4.4	7.2
SW	.8	1.8	1.2	.6	.1							5.5	6.8
WSW	.7	1.5	.7	.4	.1	.0	.0					3.4	6.7
W	1.0	2.4	1.2	.6	.4	.2	.0					5.8	7.7
WNW	.7	1.9	.6	.6	.2	.1	.0					4.2	7.8
NW	.7	1.9	1.2	.8	.4	.2	.1					5.2	9.7
NNW	.6	2.2	1.9	1.2	.6	.1						6.5	8.8
VARBL													
CALM												4.3	
	11.5	36.8	28.0	13.2	3.9	1.6	.6	.1				100.0	7.5

TOTAL NUMBER OF OBSERVATIONS

7433



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM

STATION NAME

67-70, 73-79

YEARS

ALL

MONTHS

ALL WEATHER

CLASS

ALL

HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	4.1	6.1	2.7	.5	.1	.0	.0				15.0	8.5
NNE	.3	1.5	2.0	.7	.1	.0		.0				4.6	7.6
NE	.3	1.6	1.2	.2	.5	.0						3.4	6.5
ENE	.3	1.1	.6	.2	.0	.0						2.3	6.5
E	.5	1.7	1.1	1.8	1.1	.5	.1	.0				6.6	11.7
ESE	.5	2.2	1.2	1.3	1.0	.4	.1	.0				6.7	10.7
SE	.6	3.5	2.1	.5	.1	.0	.0					7.0	6.7
SSE	.5	2.6	1.5	.2	.0	.0						4.9	6.2
S	.8	3.7	3.1	1.0	.2	.1	.0					8.9	7.4
SSW	.4	1.7	1.9	1.1	.3	.1	.0	.0				5.7	9.1
SW	.4	2.0	2.3	1.2	.2	.1	.0	.0				6.3	8.5
WSW	.4	1.6	1.7	.8	.2	.1	.0					4.8	8.2
W	.7	2.5	2.2	1.3	.5	.2	.0	.0				7.5	8.8
WNW	.5	1.7	1.3	.7	.3	.2	.0	.0				4.7	8.6
NW	.5	1.7	1.4	.9	.4	.1	.0	.0				5.1	8.8
NNW	.3	1.7	1.6	1.0	.4	.1	.0	.0				5.0	9.0
VARBL													
CALM												2.5	
	7.8	34.8	31.3	15.8	5.7	2.0	.4	.0				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS

87623



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND  
DIRECTION AND SPEED  
(FROM HOURLY OBSERVATIONS)

23004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-79  
YEARS

ALL  
MONTH

### INSTRUMENT

CLASS

CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

ALL  
HOURS (L & T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	4.5	5.3	1.5	.1							11.7	7.8
NNE	.2	1.1	1.0	.5								2.8	7.5
NE	.2	.9	.8	.2								2.2	6.8
ENE	.4	.8	.6	.4	.2							2.4	7.8
E	.5	2.0	1.0	2.4	2.9	.5	.2	.2				9.6	13.8
ESE	.5	1.9	1.5	2.4	.9	.8	.2					8.1	11.7
SE	.8	3.8	1.3	.5	.1							6.4	6.2
SSE	.8	2.5	1.5	.4								5.1	6.1
S	.8	5.3	3.4	.6								10.1	6.4
SSW	.5	3.3	2.5	1.9	.1							8.2	7.7
SW	1.1	2.6	1.9	.5	.4							6.5	6.9
WSW	.8	1.6	1.4	.5	.2							4.6	6.9
W	1.7	2.4	.9	.1	.3		.5	.2				6.0	8.6
WNW	.8	2.2	1.0	.2	.2	.2	.1					4.7	7.4
NW	.7	1.0	.7	.4								2.7	6.4
NNW	.2	1.9	1.4	.2								3.7	6.5
VARBL													
CALM												5.2	
	10.1	30.0	26.3	12.3	5.4	1.4	.9	.4				100.0	7.8

TOTAL NUMBER OF OBSERVATIONS 1061



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side



EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq \frac{1}{16}$	$\geq 0$
NO CEILING																
$> 1800$																
$\geq 1500$					91.0											92.6
$\geq 1200$																
$\geq 1000$																
$\geq 900$																
$\geq 800$																
$\geq 700$																
$\geq 600$																
$\geq 500$										97.4						98.1
$\geq 400$																
$\geq 300$																
$\geq 200$																
$\geq 100$																
$\geq 0$					92.4		96.9			98.4						100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 97.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.4%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.



#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $\geq 1$  mile, but < 3 miles; or ceiling  $\geq 500$  feet, but < 1500 feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.04 STATION AIRTLAND AFB NM

68-70.73-79

1968

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING ≥ 20000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
IV 18000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 16000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 14000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 9000	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
IV 8000	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
IV 7000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 6000	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 5000	86.0	86.0	86.0	86.0	86.0	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 4500	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 4000	89.4	89.4	89.4	89.4	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 3500	90.6	90.6	90.6	90.6	90.6	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	91.3	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 2500	92.4	92.4	92.4	92.4	92.4	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	94.1	94.1	94.1	94.1	94.1	94.1	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 1800	94.2	94.2	94.2	94.2	94.2	94.2	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 1500	94.6	94.6	94.6	94.6	94.6	94.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 1200	95.3	95.3	95.3	95.3	95.3	95.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 1000	95.6	95.6	95.6	95.6	95.6	95.6	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 900	95.6	95.6	95.6	95.6	95.6	95.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 800	95.7	95.7	95.7	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 700	95.7	95.7	95.7	95.7	95.7	95.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 600	95.8	95.8	95.8	95.8	95.8	95.8	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 500	95.8	95.8	95.8	95.8	95.8	95.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 400	95.8	95.8	95.8	95.8	95.8	95.8	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	95.9	95.9	95.9	95.9	95.9	95.9	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 200	95.9	95.9	95.9	95.9	95.9	95.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 100	95.9	95.9	95.9	95.9	95.9	95.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 0	95.9	95.9	95.9	95.9	95.9	95.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04 AIRFIELD AFB NM  
STATION STATION NAME

68-70,73-79 YEARS

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0302-0500  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	74.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	74.9	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
IV 12000	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 10000	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 9000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	81.8	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
IV 7000	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
IV 6000	84.3	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
IV 5000	86.3	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
IV 4500	89.2	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
IV 4000	89.8	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 3500	90.3	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 3000	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 2500	91.4	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 2000	92.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 1800	92.3	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 1500	92.9	94.0	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	93.4	94.6	94.7	94.9	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 1000	93.9	95.2	95.3	95.5	95.7	95.7	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	94.0	95.3	95.4	95.6	95.8	95.8	95.8	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	94.2	95.5	95.6	95.8	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 700	94.3	95.6	95.7	95.9	96.2	96.2	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 600	94.3	95.6	95.7	95.9	96.2	96.2	96.2	96.3	96.3	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 500	94.3	95.6	95.7	95.9	96.3	96.3	96.3	96.7	96.7	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 400	94.3	95.6	95.7	95.9	96.3	96.3	96.3	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	94.3	95.6	95.8	96.0	96.5	96.5	96.5	97.0	97.0	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 200	94.3	95.7	96.1	96.3	97.2	97.2	97.2	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 100	94.3	95.7	96.1	96.3	97.2	97.2	97.2	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 0	94.3	95.7	96.1	96.3	97.2	97.2	97.2	97.7	97.7	98.4	98.4	98.4	98.4	98.4	98.4	98.4

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.2	≥ 1	≥ .75	≥ .5	≥ .4	≥ .3	≥ .25	≥ .20
NO CEILING	69.4	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 20000	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 18000	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 16000	72.8	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 14000	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 12000	77.5	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 10000	80.2	80.2	80.3	80.3	80.3	80.3	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 8000	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 7000	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 6000	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 5000	87.3	87.3	87.5	87.5	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 4500	88.8	88.8	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 4000	89.8	89.8	90.1	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3500	90.2	90.4	90.8	90.9	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3000	91.5	91.8	92.2	92.4	92.6	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 2500	91.9	92.3	92.6	92.8	93.0	93.0	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 2000	92.4	92.9	93.4	93.7	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 1800	92.6	93.1	93.7	93.9	94.2	94.2	94.2	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 1500	92.7	93.7	94.2	94.5	94.8	94.8	94.8	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3
≥ 1200	92.8	93.9	94.4	94.7	95.1	95.1	95.1	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
≥ 1000	93.4	94.8	95.5	95.8	96.1	96.1	96.1	96.5	96.5	96.5	96.6	96.8	96.8	96.8	96.8	96.8
≥ 900	93.4	94.8	95.5	95.8	96.1	96.1	96.1	96.6	96.6	96.7	96.9	96.9	96.9	96.9	96.9	96.9
≥ 800	93.9	95.3	95.9	96.2	96.6	96.6	96.6	97.0	97.0	97.1	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	94.1	95.8	96.3	96.7	97.0	97.0	97.0	97.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7
≥ 600	94.1	95.8	96.5	96.8	97.1	97.1	97.1	97.5	97.5	97.7	98.0	98.0	98.0	98.0	98.0	98.0
≥ 500	94.1	95.8	96.5	96.8	97.2	97.2	97.2	97.6	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	94.1	95.8	96.5	96.8	97.2	97.2	97.2	97.6	97.6	97.8	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	94.1	95.8	96.5	96.8	97.2	97.2	97.2	97.7	97.7	98.0	98.3	98.3	98.4	98.4	98.4	98.4
≥ 200	94.1	95.8	96.6	96.9	97.3	97.3	97.3	97.8	97.8	98.3	98.6	98.6	98.7	98.7	98.7	98.8
≥ 100	94.1	95.8	96.6	96.9	97.3	97.3	97.3	97.8	97.8	98.4	98.7	98.7	98.9	98.9	98.9	99.0
≥ 0	94.1	95.8	96.6	96.9	97.3	97.3	97.3	97.8	97.8	98.4	98.7	98.7	98.9	98.9	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING SPANCH  
USAF ETAC  
AFB LEAT-ER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21.04  
STATION

WIRTLAND AFB NM  
STATION NAME

68-7C, 73-79  
YEARS

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 0.5	≥ 0.25	≥ 0.15	≥ 0.1	≥ 0.05	≥ 0.025	≥ 0
NO CEILING	70.8	71.1	71.1	71.2	71.3	71.3	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	74.7	75.2	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 18000	74.9	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	74.9	75.4	75.4	75.5	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000	75.7	76.1	76.1	76.2	76.3	76.3	76.3	76.3	76.3	76.5	76.5	76.5	76.5	76.5	76.5	76.5
≥ 12000	79.0	79.5	79.5	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8
IV 10000	81.8	82.3	82.3	82.4	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 9000	82.5	82.9	82.9	83.0	83.1	83.1	83.1	83.1	83.1	83.2	83.2	83.2	83.2	83.2	83.2	83.2
IV 8000	83.3	83.8	83.8	83.9	84.0	84.0	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 7000	84.0	84.4	84.4	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 6000	85.7	86.3	86.3	86.5	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	88.1	88.8	88.8	88.9	89.0	89.0	89.0	89.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 4500	89.1	89.9	89.9	90.0	90.1	90.1	90.1	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 4000	90.2	91.1	91.1	91.2	91.3	91.3	91.3	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 3500	90.5	91.5	91.5	91.6	91.7	91.7	91.7	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 3000	91.1	92.3	92.3	92.4	92.5	92.6	92.6	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 2500	91.4	92.6	92.7	92.8	92.9	93.0	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 2000	91.7	93.0	93.1	93.3	93.4	93.5	93.5	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 1800	91.8	93.1	93.2	93.4	93.5	93.7	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 1500	91.9	93.2	93.4	93.7	93.8	93.9	94.1	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 1200	91.9	93.4	93.8	94.2	94.3	94.4	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 1000	92.0	93.8	94.2	94.8	94.9	95.1	95.3	95.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8
IV 900	92.3	94.0	94.4	95.1	95.2	95.3	95.5	95.6	95.7	96.0	96.1	96.1	96.2	96.2	96.2	96.2
IV 800	92.3	94.1	94.6	95.4	95.5	95.6	95.8	96.0	96.1	96.5	96.6	96.6	96.7	96.7	96.7	96.7
IV 700	92.6	94.4	95.2	95.9	96.0	96.1	96.3	96.6	96.7	97.0	97.1	97.1	97.2	97.2	97.2	97.2
IV 600	92.6	94.4	95.2	95.9	96.1	96.2	96.5	96.7	96.8	97.1	97.2	97.2	97.3	97.3	97.3	97.3
IV 500	92.7	94.5	95.3	96.0	96.2	96.3	96.6	96.8	96.9	97.3	97.7	97.7	97.8	97.8	97.8	97.8
IV 400	92.7	94.6	95.6	96.3	96.7	96.8	97.1	97.3	97.4	97.8	98.3	98.3	98.4	98.4	98.4	98.4
IV 300	92.7	94.8	95.4	96.3	96.7	96.8	97.1	97.3	97.4	98.0	98.4	98.4	98.6	98.6	98.6	98.6
IV 200	92.7	94.8	95.6	96.3	96.7	96.8	97.1	97.3	97.4	98.1	98.6	98.6	98.8	98.8	98.8	98.8
IV 100	92.7	94.9	95.7	96.5	96.8	96.9	97.2	97.4	97.5	98.2	98.7	98.7	98.9	98.9	98.9	98.9
IV 0	92.7	94.9	95.7	96.5	96.8	96.9	97.2	97.4	97.5	98.2	98.8	98.8	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFC WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

WIRTLAND AFB NM

63-79,73-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	67.6	67.7	67.7	67.7	67.7	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 20000	72.3	72.4	72.4	72.4	72.4	72.4	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 18000	72.4	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 16000	72.4	72.6	72.6	72.6	72.6	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 14000	73.5	73.6	73.6	73.6	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 12000	78.4	78.5	78.5	78.5	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 10000	81.9	82.0	82.0	82.0	82.0	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 9000	82.2	82.3	82.3	82.3	82.3	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	82.8	82.9	82.9	82.9	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	82.9	83.0	83.0	83.0	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 6000	86.2	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 5000	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 4500	91.2	91.3	91.3	91.3	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 4000	92.9	93.0	93.0	93.0	93.0	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 3500	93.5	93.8	93.8	93.8	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	93.9	94.1	94.1	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 2500	94.1	94.3	94.3	94.3	94.4	94.4	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	94.6	94.9	94.9	94.9	95.2	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 1800	94.7	95.0	95.0	95.0	95.3	95.3	95.5	95.5	95.5	95.5	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	95.3	95.6	95.6	95.6	95.8	95.9	96.1	96.1	96.1	96.4	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	95.6	95.9	95.9	95.9	96.1	96.2	96.4	96.4	96.4	96.9	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	96.0	96.6	96.6	96.6	96.8	96.9	97.1	97.1	97.1	97.7	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	96.1	96.7	96.7	96.7	96.9	97.0	97.5	97.5	97.5	98.2	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	96.1	96.7	96.7	96.7	96.9	97.0	97.5	97.5	97.5	98.3	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	96.1	96.8	96.8	96.8	97.0	97.1	97.6	97.6	97.6	98.4	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	96.2	96.9	96.9	96.9	97.1	97.2	97.7	97.7	97.7	98.6	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	96.3	97.0	97.1	97.2	97.4	97.5	98.2	98.2	98.2	99.0	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	96.4	97.1	97.2	97.4	97.6	97.7	98.4	98.4	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	96.4	97.1	97.2	97.4	97.6	97.7	98.4	98.4	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	96.4	97.1	97.2	97.4	97.6	97.7	98.4	98.4	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	96.4	97.1	97.2	97.4	97.6	97.7	98.4	98.4	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.4	97.1	97.2	97.4	97.6	97.7	98.4	98.4	98.4	99.2	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
AF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21004  
STATION

RIPTLAND AFB NM  
STATION NAME

66-72, 73-79  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 20000	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥ 18000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 16000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 14000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 12000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 10000	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 9200	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 7000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 6000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
≥ 5000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4500	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 4000	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3500	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1200	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 900	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 800	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 700	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 600	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 500	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 200	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 100	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6

TOTAL NUMBER OF OBSERVATIONS

930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27064  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1920-2000  
YEARS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 18000	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 16000	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
IV 14000	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
IV 12000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 10000	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 9000	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
IV 7000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 6000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 5000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 4500	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 4000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 3500	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 3000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 2500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 2000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 1800	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 1200	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 1000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 900	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 800	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 700	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 600	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 400	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 300	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 200	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 100	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 0	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 004  
STATION

WIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JAN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2300  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	72.5	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 18000	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 15000	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	76.7	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 12000	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 10000	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 9000	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 8000	83.0	83.0	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 7000	83.5	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 6000	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥ 5000	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	90.1	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4000	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 3500	91.8	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 3000	92.7	93.0	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2500	93.5	93.9	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 2000	94.5	95.1	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 1800	94.6	95.3	95.6	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 1500	95.4	96.2	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1200	95.9	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1000	95.9	96.8	97.3	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	95.9	96.8	97.4	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	96.0	96.9	97.4	97.5	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	96.1	97.1	97.6	97.7	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	96.1	97.2	97.7	97.8	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	96.1	97.3	97.8	98.0	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 400	96.1	97.3	97.8	98.0	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 300	96.1	97.3	97.8	98.0	98.4	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 200	96.1	97.3	98.0	98.1	98.5	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 100	96.1	97.3	98.0	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
0	96.1	97.3	98.0	98.2	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27004  
STATION

PORTLAND AFB NM  
STATION NAME

58-70,73-79  
YEAR

JAN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	73.3	70.4	70.4	70.4	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 20000	74.2	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	74.3	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 14000	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 12000	76.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 10000	81.7	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 9000	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 8000	83.2	83.2	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 7000	83.8	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 6000	86.3	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 5000	88.7	88.8	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	90.5	90.6	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4000	91.4	91.5	91.7	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 3500	92.0	92.4	92.4	92.5	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 3000	92.7	93.1	93.2	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 2500	93.3	93.7	93.8	93.8	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	94.0	94.5	94.7	94.7	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	94.1	94.7	94.9	94.9	95.1	95.1	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 1500	94.5	95.2	95.4	95.5	95.6	95.7	95.8	95.8	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	94.8	95.6	95.8	96.0	96.1	96.1	96.2	96.3	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1000	95.1	96.0	96.3	96.5	96.6	96.7	96.7	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	95.1	96.0	96.3	96.5	96.7	96.7	96.9	96.9	96.9	97.1	97.2	97.2	97.3	97.3	97.3	97.3
≥ 800	95.2	96.2	96.5	96.7	96.9	96.9	97.1	97.1	97.2	97.2	97.4	97.5	97.5	97.6	97.6	97.6
≥ 700	95.3	96.4	96.7	96.9	97.1	97.1	97.2	97.4	97.5	97.5	97.7	97.7	97.8	97.8	97.9	97.9
≥ 600	95.3	96.4	96.7	96.9	97.2	97.2	97.4	97.5	97.5	97.7	97.7	97.8	97.9	98.0	98.0	98.0
≥ 500	95.4	96.5	96.8	97.0	97.3	97.3	97.5	97.7	97.7	98.1	98.3	98.3	98.4	98.4	98.4	98.4
≥ 400	95.4	96.5	96.8	97.1	97.4	97.4	97.7	97.9	97.9	98.2	98.5	98.5	98.6	98.6	98.6	98.7
≥ 300	95.4	96.5	96.9	97.1	97.4	97.5	97.7	97.9	98.0	98.4	98.6	98.7	98.9	99.0	99.0	99.0
≥ 200	95.4	96.5	97.0	97.2	97.6	97.6	98.0	98.1	98.2	98.6	98.9	99.0	99.2	99.3	99.4	99.4
≥ 100	95.4	96.5	97.0	97.3	97.7	97.7	98.0	98.2	98.2	98.7	99.0	99.1	99.3	99.4	99.5	99.6
≥ 0	95.4	96.5	97.0	97.3	97.7	97.7	98.0	98.2	98.2	98.7	99.0	99.1	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7439



DATA PROCESSING BRANCH  
AF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

FIRTLAND AFB NM  
STATION NAME

65-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 20000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 18000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 16000	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 14000	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 12000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 10000	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
≥ 9000	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 8000	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 7000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 6000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 5000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 4500	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 4000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 3500	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 3000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 2500	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 2000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1800	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 1500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 1200	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 1000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 800	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 700	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 500	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 300	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 200	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 246



DATA PROCESSING BRANCH  
AF ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	63.2	63.3	68.3	68.3	68.3	65.3	69.4	66.4	68.4	66.4	68.4	66.4	68.4	63.4	68.4	68.6
≥ 20000	71.9	72.0	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.2
≥ 18000	72.1	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5
≥ 16000	72.1	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5
≥ 14000	72.1	72.2	72.2	72.2	72.2	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.5
≥ 12000	74.8	74.9	74.9	74.9	74.9	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.2
≥ 10000	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
≥ 9000	78.6	78.7	78.7	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	79.0
≥ 8000	79.7	79.8	79.8	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.0
≥ 7000	80.7	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
≥ 6000	83.3	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
≥ 5000	84.6	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
≥ 4500	86.1	86.4	86.4	86.4	86.4	86.4	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.6
≥ 4000	87.0	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥ 3500	88.3	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥ 3000	89.6	90.2	90.2	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.4
≥ 2500	90.7	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.8
≥ 2000	92.1	93.6	93.7	93.7	93.7	93.7	94.0	94.0	94.0	94.0	94.2	94.2	94.2	94.2	94.2	94.3
≥ 1800	92.2	93.7	93.9	93.9	93.9	93.9	94.1	94.1	94.1	94.1	94.3	94.3	94.3	94.3	94.3	94.4
≥ 1500	92.9	95.0	95.2	95.3	95.3	95.3	95.5	95.5	95.5	95.5	95.7	95.7	95.7	95.7	95.7	95.9
≥ 1200	93.0	95.5	95.6	95.7	95.7	95.7	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.3
≥ 1000	93.0	95.9	96.1	96.2	96.2	96.2	96.5	96.5	96.5	96.5	96.7	96.7	96.7	96.7	96.7	96.8
≥ 900	93.0	96.1	96.3	96.5	96.5	96.5	96.7	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.2
≥ 800	93.1	96.2	96.5	96.6	96.6	96.6	96.9	97.0	97.0	97.0	97.4	97.4	97.4	97.4	97.4	97.5
≥ 700	93.5	96.7	96.9	97.0	97.2	97.2	97.5	97.5	97.5	97.6	98.1	98.1	98.1	98.1	98.1	98.2
≥ 600	93.6	97.2	97.4	97.5	97.6	97.6	98.0	98.1	98.1	98.1	98.6	98.6	98.6	98.6	98.6	98.7
≥ 500	93.7	97.7	97.6	97.7	98.0	98.0	98.3	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.2
≥ 400	93.7	97.4	97.6	97.7	98.0	98.0	98.3	98.5	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.2
≥ 300	93.7	97.4	97.6	97.7	98.0	98.0	98.3	98.5	98.5	98.5	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	93.9	97.5	97.6	97.7	98.1	98.1	98.5	98.6	98.6	98.6	99.3	99.3	99.3	99.3	99.3	99.3
≥ 100	93.9	97.5	97.8	97.9	98.1	98.1	98.5	98.6	98.6	98.6	99.3	99.3	99.3	99.4	99.4	99.6
≥ 0	93.9	97.5	97.8	97.9	98.1	98.1	98.5	98.6	98.6	98.6	99.3	99.3	99.3	99.4	99.4	99.6

TOTAL NUMBER OF OBSERVATIONS

846



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21 04  
STATION

KIRTLAND AFB NM  
STATION NAME

63-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	68.0	68.3	68.4	68.4	68.4	68.4	68.6	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.9	69.0
≥ 20000	71.4	71.7	71.9	71.9	71.9	71.9	72.0	72.0	72.0	72.1	72.1	72.1	72.1	72.1	72.3	72.5
IV 18000	71.5	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.5	72.6
IV 16000	71.5	71.9	72.0	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.5	72.6
IV 14000	72.9	73.3	73.4	73.4	73.4	73.4	73.5	73.5	73.5	73.6	73.6	73.6	73.6	73.6	73.9	74.0
IV 12000	75.5	75.9	76.0	76.0	76.0	76.0	76.1	76.1	76.1	76.2	76.2	76.2	76.2	76.2	76.5	76.6
IV 10000	78.0	78.5	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	79.1	79.2
IV 9000	78.8	79.3	79.4	79.4	79.4	79.4	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.9	80.0
IV 8000	79.1	79.6	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	80.1	80.3
IV 7000	80.4	80.9	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.2	81.2	81.4	81.6
IV 6000	83.1	83.7	83.8	83.8	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.0	84.0	84.3	84.4
IV 5000	85.2	85.8	85.9	85.9	85.9	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.5	86.6
IV 4500	87.0	87.7	87.8	87.8	87.8	87.8	87.9	87.9	87.9	88.1	88.1	88.1	88.1	88.1	88.4	88.7
IV 4000	87.7	88.4	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	89.2	89.5
IV 3500	88.7	89.4	89.6	89.6	89.6	89.6	89.7	89.7	89.7	89.8	89.8	89.8	89.8	89.8	90.2	90.4
IV 3000	89.5	90.2	90.4	90.4	90.4	90.4	90.5	90.5	90.5	90.7	90.7	90.7	90.7	90.7	91.0	91.3
IV 2500	90.9	92.1	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.9	93.1
IV 2000	91.7	92.9	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.9	94.3
IV 1800	91.7	93.1	93.5	93.5	93.5	93.5	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	94.1	94.6
IV 1500	92.6	94.1	94.4	94.6	94.7	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.4	95.9
IV 1200	92.6	94.3	94.7	94.8	94.9	95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.6	96.1
IV 1000	92.7	94.7	95.2	95.3	95.4	95.5	95.7	95.7	95.7	95.9	95.9	95.9	95.9	95.9	96.2	96.7
IV 900	92.9	94.9	95.6	95.7	96.0	96.1	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.8	97.3
IV 800	92.9	94.9	95.7	95.9	96.2	96.5	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	97.2	97.6
IV 700	92.9	94.9	95.7	95.9	96.2	96.5	96.7	96.8	96.8	96.9	96.9	96.9	96.9	96.9	97.3	97.8
IV 600	93.3	95.4	96.2	96.3	96.7	96.9	97.2	97.3	97.3	97.5	97.5	97.5	97.5	97.5	97.9	98.3
IV 500	93.3	95.5	96.3	96.5	96.8	97.0	97.3	97.5	97.5	97.9	97.9	97.9	97.9	97.9	98.2	98.7
IV 400	93.3	95.5	96.3	96.6	96.9	97.2	97.4	97.6	97.6	98.1	98.1	98.1	98.1	98.1	98.5	98.9
IV 300	93.3	95.5	96.3	96.7	97.0	97.3	97.6	97.9	97.9	98.5	98.5	98.5	98.5	98.5	98.8	99.3
IV 200	93.3	95.5	96.3	96.7	97.0	97.3	97.6	97.9	97.9	98.5	98.5	98.6	98.6	98.7	99.1	99.5
IV 100	93.3	95.5	96.3	96.7	97.0	97.3	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.8	99.2	99.6
IV 0	93.3	95.5	96.3	96.7	97.0	97.3	97.6	97.9	97.9	98.6	98.7	98.7	98.7	98.8	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	69.4	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7	69.7	69.7
≥ 20000	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 18000	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 16000	74.5	74.6	74.6	74.6	74.6	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.8	74.8	74.8
≥ 14000	75.3	75.4	75.4	75.4	75.4	75.4	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.7	75.7	75.7
≥ 12000	77.8	77.9	77.9	77.9	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1	78.1	78.1
≥ 10000	79.7	79.9	79.9	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.1	80.1	80.1
≥ 9000	80.1	80.5	80.5	80.5	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.7	80.7	80.7
≥ 8000	80.6	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.2	81.2	81.2
≥ 7000	81.6	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.2	82.2	82.2
≥ 6000	83.2	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.9	83.9	83.9	83.9	84.0	84.0	84.0
≥ 5000	86.5	87.3	87.3	87.3	87.3	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.5	87.5	87.5
≥ 4500	88.5	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6
≥ 4000	89.7	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.7	90.7	90.7	90.7	90.7	90.8	90.8	90.8
≥ 3500	90.3	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4
≥ 3000	90.5	91.1	91.1	91.1	91.1	91.1	91.3	91.3	91.5	91.5	91.5	91.5	91.5	91.6	91.6	91.6
≥ 2500	91.0	91.6	91.6	91.7	91.8	91.8	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3
≥ 2000	91.8	92.6	92.7	92.8	92.9	92.9	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
≥ 1800	91.8	92.6	92.7	92.8	92.9	92.9	93.0	93.0	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4
≥ 1500	92.7	93.6	93.7	94.0	94.1	94.1	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.6
≥ 1200	92.8	94.0	94.2	94.7	94.8	94.8	94.9	94.9	95.2	95.2	95.5	95.5	95.5	95.6	95.6	95.6
≥ 1000	93.3	94.6	94.9	95.4	95.5	95.7	95.9	96.0	96.2	96.2	96.6	96.6	96.6	96.7	96.7	96.7
≥ 900	93.5	94.8	95.2	95.6	95.7	96.0	96.1	96.2	96.5	96.5	96.8	96.8	96.8	96.9	96.9	96.9
≥ 800	93.6	94.9	95.3	95.9	96.0	96.2	96.3	96.5	96.7	96.7	97.0	97.0	97.0	97.2	97.2	97.2
≥ 700	93.9	95.2	95.5	96.1	96.2	96.5	96.7	96.8	97.0	97.0	97.4	97.4	97.4	97.5	97.5	97.5
≥ 600	94.0	95.5	95.9	96.5	96.7	96.9	97.2	97.3	97.5	97.5	97.9	97.9	97.9	98.0	98.0	98.0
≥ 500	94.0	95.5	95.9	96.5	96.7	96.9	97.2	97.4	97.6	97.6	97.9	97.9	97.9	98.2	98.3	98.3
≥ 400	94.0	95.5	95.9	96.5	96.9	97.2	97.4	97.6	97.9	98.1	98.6	98.6	98.6	98.7	98.7	98.7
≥ 300	94.0	95.5	95.9	96.5	96.9	97.2	97.4	97.6	97.9	98.3	98.9	98.9	98.9	99.1	99.1	99.2
≥ 200	94.0	95.5	95.9	96.5	96.9	97.2	97.4	97.6	97.9	98.5	99.1	99.1	99.1	99.2	99.3	99.5
≥ 100	94.0	95.5	95.9	96.5	96.9	97.2	97.4	97.6	97.9	98.7	99.3	99.4	99.4	99.6	99.6	99.8
≥ 0	94.0	95.5	95.9	96.5	96.9	97.2	97.4	97.6	97.9	98.7	99.3	99.4	99.4	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
USAF ETAC  
ATTN: WEATHER SERVIC. / AC

# CEILING VERSUS VISIBILITY

2 04  
STATION

KIRTLAND AFB NM

STATION NAME

66-73, 73-79

YEARS

FEF

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING ≥ 20000	70.1	70.1	73.1	70.2	70.2	70.2	70.2	70.2	75.2	70.2	70.2	70.2	70.2	70.2	70.2	73.2
≥ 18000	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	75.5	75.5	75.5	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 14000	76.5	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 12000	78.4	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 10000	80.3	80.5	80.5	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ 9000	80.5	80.7	80.7	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥ 8000	81.6	81.6	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 7000	82.2	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 6000	85.0	85.5	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 5000	88.2	88.7	88.7	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 4500	90.1	90.5	90.5	90.7	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4000	91.4	92.4	92.4	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 3500	93.0	93.6	93.6	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 3000	93.5	94.1	94.1	94.2	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	93.7	94.4	94.4	94.6	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 2000	94.6	95.3	95.4	95.5	95.9	96.0	96.0	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	94.7	95.5	95.6	95.7	96.1	96.2	96.2	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1500	94.8	95.6	95.7	95.9	96.3	96.5	96.5	96.5	96.6	96.9	97.2	97.3	97.3	97.3	97.3	97.3
≥ 1200	94.9	95.7	95.9	96.0	96.6	96.7	96.8	96.9	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	95.5	96.7	96.8	96.9	97.5	97.6	97.8	97.9	98.2	98.8	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	96.0	96.9	97.0	97.2	97.8	97.9	98.0	98.1	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	96.0	96.9	97.0	97.2	97.8	97.9	98.0	98.1	98.5	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 600	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 500	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.3	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.3	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	96.1	97.0	97.2	97.3	97.9	98.0	98.1	98.2	98.6	99.4	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104 KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 20000	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 18000	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	75.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 12000	80.1	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2	80.2
≥ 10000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 9000	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 8000	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 7000	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 6000	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 5000	93.3	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 4500	94.3	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4000	94.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 3500	94.9	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 3000	95.1	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 2500	95.6	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2000	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1800	96.6	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1500	97.2	97.8	97.8	97.9	97.9	97.9	98.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1200	97.4	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	97.8	98.3	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.7	98.9	98.9	99.1	99.1	99.1	99.1
≥ 900	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1
≥ 800	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 700	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 600	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 500	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 400	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 300	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 200	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 100	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4
≥ 0	97.8	98.3	98.3	98.5	98.5	98.5	98.6	98.7	98.8	99.1	99.2	99.3	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 845



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

WIRTLAND AFB VM  
STATION NAME

66-70,73-79  
YEARS

FEB  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7
≥ 20000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 18000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 14000	76.1	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 12000	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 10000	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	84.9	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.3	85.6	85.6	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 7000	86.8	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 6000	89.8	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 5000	91.0	91.3	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 4500	91.8	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 4000	93.4	93.7	93.7	93.7	93.7	93.7	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3500	94.0	94.3	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3000	94.2	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 2500	95.7	96.1	96.1	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	96.2	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1800	96.3	96.8	96.8	96.8	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1500	97.2	97.8	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1200	97.3	98.0	98.2	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1000	97.3	98.0	98.2	98.2	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	97.3	98.0	98.2	98.2	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 800	97.3	98.0	98.2	98.2	98.2	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 700	97.3	98.0	98.2	98.2	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 600	97.3	98.0	98.2	98.2	98.2	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	97.3	98.0	98.3	98.3	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1
≥ 400	97.3	98.0	98.3	98.3	98.3	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	99.1	99.1	99.1
≥ 300	97.3	98.0	98.5	98.5	98.5	98.5	98.8	98.9	98.9	98.9	99.1	99.2	99.2	99.4	99.4	99.4
≥ 200	97.3	98.0	98.5	98.5	98.5	98.5	98.8	99.1	99.1	99.1	99.5	99.6	99.6	99.9	99.9	99.9
≥ 100	97.3	98.0	98.5	98.5	98.5	98.5	98.8	99.1	99.1	99.1	99.5	99.6	99.6	99.9	99.9	99.9
≥ 0	97.3	98.0	98.5	98.5	98.5	98.5	98.8	99.1	99.1	99.1	99.5	99.6	99.6	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 846



DATA PROCESSING BRANCH  
USAF ETAC  
AFC WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21.04  
STATION

KIPLAND AFB NM

STATION NAME

65-73,73-79

PERIOD

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	71.5	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7
≥ 20000	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
≥ 18000	74.3	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.6
≥ 16000	74.5	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.7
≥ 14000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 12000	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.6
≥ 10000	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.6
≥ 9000	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9
≥ 8000	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.3
≥ 7000	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
≥ 6000	88.5	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.8
≥ 5000	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	90.0
≥ 4500	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
≥ 4000	91.8	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
≥ 3500	92.4	92.6	92.6	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.8
≥ 3000	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.6
≥ 2500	94.4	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.3
≥ 2000	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.5
≥ 1800	95.5	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.5
≥ 1500	96.2	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3
≥ 1200	96.5	97.4	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
≥ 1000	96.8	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.5
≥ 900	96.8	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.5
≥ 800	96.9	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.7
≥ 700	97.0	98.1	98.2	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.9
≥ 600	97.0	98.2	98.3	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	99.1
≥ 500	97.0	98.3	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	99.2
≥ 400	97.0	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.4
≥ 300	97.0	98.6	98.7	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.5
≥ 200	97.0	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.9
≥ 100	97.0	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0
≥ 0	97.0	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS

846

USAF ETAC

FORM 44

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
CAF ETAC  
AF Weather Service/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

66-73,73-79  
YEARS

FEB  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
OBS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥20000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	74.0
IV 18000	73.8	73.9	73.9	73.9	73.9	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1
IV 16000	73.8	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.1	74.1	74.1
IV 14000	74.7	74.8	74.8	74.8	74.8	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	75.0
IV 12000	77.9	78.0	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.2	78.2	78.2
IV 10000	80.7	80.9	80.9	80.9	80.9	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.1
IV 9000	81.3	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.7
IV 8000	82.1	82.3	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.5
IV 7000	83.4	83.6	83.6	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8
IV 6000	86.3	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.7	86.7	86.7	86.7	86.7	86.7
IV 5000	88.4	88.7	88.7	88.7	88.7	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.9	88.9	88.9
IV 4500	89.7	90.1	90.1	90.1	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3	90.4
IV 4000	90.7	91.1	91.2	91.2	91.2	91.2	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4	91.4
IV 3500	91.5	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.2
IV 3000	92.2	92.7	92.7	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1
IV 2500	93.0	93.6	93.7	93.7	93.8	93.8	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1
IV 2000	94.0	94.8	94.9	95.0	95.0	95.0	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.3	95.3	95.4
IV 1800	94.1	94.9	95.0	95.1	95.2	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6
IV 1500	94.7	95.7	95.8	96.0	96.1	96.1	96.2	96.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4	96.5
IV 1200	94.9	96.0	96.2	96.4	96.5	96.5	96.6	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	97.0
IV 1000	95.2	96.4	96.7	96.9	97.0	97.1	97.2	97.3	97.4	97.5	97.6	97.6	97.6	97.6	97.6	97.7
IV 900	95.3	96.6	96.9	97.1	97.2	97.3	97.4	97.5	97.5	97.7	97.8	97.8	97.8	97.8	97.8	97.9
IV 800	95.3	96.6	97.0	97.2	97.3	97.4	97.6	97.6	97.7	97.9	98.0	98.0	98.0	98.0	98.1	98.2
IV 700	95.4	96.8	97.1	97.3	97.5	97.6	97.8	97.9	98.0	98.2	98.2	98.3	98.3	98.3	98.4	98.5
IV 600	95.5	97.0	97.3	97.5	97.7	97.8	98.0	98.1	98.2	98.4	98.5	98.5	98.6	98.6	98.6	98.7
IV 500	95.6	97.1	97.4	97.6	97.9	97.9	98.2	98.3	98.4	98.6	98.7	98.7	98.8	98.8	98.9	99.0
IV 400	95.6	97.1	97.5	97.7	98.0	98.0	98.3	98.4	98.5	98.8	98.9	98.9	99.0	99.0	99.0	99.1
IV 300	95.6	97.2	97.5	97.8	98.0	98.1	98.3	98.5	98.6	99.0	99.1	99.1	99.2	99.2	99.3	99.4
IV 200	95.6	97.2	97.6	97.8	98.1	98.2	98.4	98.6	98.7	99.1	99.3	99.3	99.5	99.5	99.6	99.7
IV 100	95.6	97.2	97.6	97.8	98.1	98.2	98.4	98.6	98.7	99.2	99.4	99.4	99.6	99.6	99.7	99.9
IV 0	95.6	97.2	97.6	97.8	98.1	98.2	98.4	98.6	98.7	99.2	99.4	99.4	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6767



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

WIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

4AR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1	≥ .05	≥ .025	≥ .01	≥ 0
NO CEILING	68.6	62.7	68.7	68.7	68.7	66.7	68.7	66.7	68.7	66.7	68.7	66.7	68.7	66.7	68.7	68.7
≥ 20000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 18000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 16000	73.7	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥ 14000	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 12000	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 10000	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 9000	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 8000	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 7000	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 6000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 5000	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4500	92.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 4000	92.8	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 3500	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 3000	94.5	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 2500	95.6	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 2000	96.6	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1800	96.7	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 1500	96.9	97.7	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1200	97.0	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 1000	97.0	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 900	97.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 800	97.3	98.4	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 700	97.3	98.4	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 600	97.3	98.5	98.6	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 500	97.3	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	97.3	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	97.3	98.5	98.6	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	97.3	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	97.3	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	97.3	98.6	98.7	98.9	98.9	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS

930



DATA PROCESSING BRANCH  
USAF ETAC  
27 HEATH-ER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

WRIGHTLAND AFB NM  
STATION NAME

65-70,73-79  
YEARS

MAP  
SCALE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 16000	72.2	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 14000	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 12000	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 10000	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 9000	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 8000	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 6000	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 5000	90.3	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 4500	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 4000	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 3500	93.0	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 3000	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	95.1	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2000	95.7	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	95.8	96.5	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1500	96.1	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1200	96.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1000	96.6	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 900	96.6	97.7	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	96.6	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 700	96.6	97.7	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	96.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	96.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 400	96.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	96.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 200	96.7	97.8	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 100	96.8	98.0	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 0	96.8	98.0	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2' 04  
STATION

KIPTLAND AFB NM

STATION NAME

68-70,73-74

YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	65.8	68.9	68.9	68.9	65.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 20000	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 18000	74.4	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 16000	74.6	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	75.5	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 12000	79.3	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 10000	81.5	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 9000	83.2	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 8000	84.0	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 7000	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
≥ 6000	87.2	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 5000	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 4500	90.5	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 4000	91.5	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 3500	92.5	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 3000	93.4	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 2500	94.0	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	94.7	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1800	94.7	95.7	95.8	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 1500	94.9	95.9	96.1	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 1200	94.9	96.0	96.2	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 1000	95.0	96.1	96.3	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 900	95.0	96.2	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	95.0	96.2	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 700	95.0	96.2	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 600	95.0	96.2	96.4	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 500	95.0	96.3	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 400	95.0	96.3	96.6	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 300	95.0	96.3	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 200	95.0	96.3	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 100	95.0	96.3	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 0	95.0	96.3	96.6	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
SAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2. 04 KERTLAND AFB NM

63-70, 73-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

9900-1100

CEILING FEET	VISIBILITY STAT IN MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 18000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
IV 16000	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 14000	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 12000	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
IV 10000	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 9000	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
IV 8000	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 7000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
IV 6000	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 5000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
IV 4500	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 4000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 3500	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 3000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 2500	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 2000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1800	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1200	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 1000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 900	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 800	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 700	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 600	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 500	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 400	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 300	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 100	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 0	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

AIRTLAND AFB NM  
STATION NAME

68-70, 73-70  
TIME

MAC  
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1450  
PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	59.7	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 20000	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 18000	67.8	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 16000	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 14000	69.4	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 12000	72.0	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
IV 10000	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
IV 9000	74.6	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
IV 8000	76.5	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 7000	79.6	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
IV 6000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 5000	93.1	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 4500	94.4	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
IV 4000	95.5	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 3500	96.5	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3000	97.2	97.6	97.7	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 2500	97.5	98.1	98.2	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2000	98.0	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.0	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	98.1	98.5	98.6	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1200	98.2	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	98.2	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 900	98.2	98.7	98.8	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	98.4	98.9	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 700	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.5	99.0	99.1	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70, 73-79  
YEARS

MAC  
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	59.7	59.9	67.3	60.1	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥ 20000	63.5	68.7	68.8	68.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
18000	65.5	63.7	68.8	68.2	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
16000	65.5	69.1	69.2	69.4	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
14000	70.6	70.9	71.3	71.1	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
12000	73.4	73.5	73.5	73.9	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0	74.0
10000	76.2	76.5	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
9000	77.3	77.5	77.6	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
8000	79.5	79.7	79.8	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
7000	83.8	84.0	84.1	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
6000	90.9	91.1	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
5000	94.3	94.8	94.9	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
4500	95.5	95.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
4000	95.6	95.9	96.0	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
3500	95.9	96.2	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
3000	96.9	97.2	97.3	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
2500	97.5	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
2000	98.3	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
1800	98.4	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1500	98.5	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1200	98.4	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
1000	98.5	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
900	98.5	98.9	99.0	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
800	98.5	98.9	99.1	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
700	98.5	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
600	98.5	98.9	99.1	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
500	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
400	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
300	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
200	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
100	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
0	98.5	98.9	99.1	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



ATS PROCESSING BRANCH  
 448 ETAC  
 AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27.04 KIRTLAND AFB NM

58-70, 73-79

MA

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1300-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	66.9	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 20000	71.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	71.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000	71.6	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 14000	72.2	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
≥ 12000	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	80.3	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 9000	82.4	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 8000	83.9	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 7000	87.2	87.6	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥ 6000	92.0	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 5000	93.3	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4500	94.4	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 4000	95.6	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500	95.9	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 3000	96.6	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2500	96.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 2000	97.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	97.5	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 1000	97.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	97.6	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 700	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 600	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 500	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 200	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 0	97.6	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
745 ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04 WIRTLAND AFB NM  
STATION NAME

68-70,73-79 YEARS

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 20000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3
≥ 12000	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 10000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 9000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 8000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 6000	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 5000	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 4500	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 4000	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3500	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 3000	96.3	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2500	96.8	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	97.2	98.1	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1800	97.4	98.3	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1500	97.5	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1200	97.5	98.4	98.5	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	97.3	98.5	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 900	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 800	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 700	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	97.5	98.5	98.6	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	97.5	98.5	98.6	98.8	98.9	99.0	99.1	99.1	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4
≥ 200	97.5	98.5	98.6	98.9	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100	97.5	98.5	98.6	98.9	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 0	97.5	98.5	98.6	98.9	99.2	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 934



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2-04 KIRTLAND AFB NM

68-76, 73-79

MAC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
-24 HRS.

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .4	≥ .4	≥ .4	≥ .4	≥ .4	≥ 0
NO CEILING	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 20000	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 18000	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 16000	72.1	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.4	72.4
≥ 14000	73.2	73.3	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 12000	77.1	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 10000	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 9000	81.3	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥ 8000	82.8	82.9	82.9	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥ 7000	85.0	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	89.3	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 5000	92.1	92.4	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥ 4500	93.3	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4000	93.9	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 3500	94.7	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 3000	95.6	96.1	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 2500	96.2	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 2000	96.7	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 1800	96.8	97.5	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.0
≥ 1500	96.9	97.7	97.9	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.3
≥ 1200	97.0	97.9	98.0	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1000	97.1	98.0	98.2	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 900	97.2	98.1	98.3	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7
≥ 800	97.2	98.2	98.6	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
≥ 700	97.2	98.2	98.4	98.6	98.7	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0
≥ 600	97.2	98.2	98.4	98.6	98.7	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1
≥ 500	97.2	98.2	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.1	99.2	99.2	99.2	99.2	99.3
≥ 400	97.2	98.2	98.4	98.7	98.8	98.8	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3
≥ 300	97.2	98.2	98.4	98.7	98.8	98.8	99.0	99.1	99.1	99.1	99.3	99.3	99.3	99.4	99.4	99.5
≥ 200	97.2	98.2	98.4	98.7	98.8	98.9	99.1	99.2	99.2	99.4	99.5	99.5	99.6	99.6	99.7	99.7
≥ 100	97.2	98.2	98.5	98.7	98.9	98.9	99.1	99.2	99.2	99.4	99.6	99.6	99.7	99.8	99.8	99.9
≥ 0	97.2	98.2	98.5	98.7	98.9	98.9	99.1	99.2	99.2	99.5	99.6	99.6	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7439



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2734  
STATION

WIRTLAND AFB AM

STATION NAME

63-76,73-79

YEAR

APP  
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥20000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥18000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥16000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥14000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥12000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥10000	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥9000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥8000	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥7000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥6000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥5000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥4500	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥4000	97.4	97.4	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥3500	98.2	98.3	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥3000	98.4	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥2500	98.9	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥2000	99.0	99.2	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1800	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1500	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1200	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥1000	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥900	99.1	99.3	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥800	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥700	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥600	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥500	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥400	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥300	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥200	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥100	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥0	99.1	99.3	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04 KIRTLAND AFB NM

68-70,73-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 20000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 18000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 16000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 12000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 10000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 9000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 8000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 7000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 6000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 5000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 4000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 3000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 2000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1800	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1200	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 1000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 900	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 800	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 700	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 600	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 500	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 400	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 300	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 200	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 100	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 0	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
STATION

KIPTLAND AFB NM  
STATION NAME

66-73,73-79  
YEARS

APP  
DATE

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6600-0600  
OBS (H)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	78.7	78.8	78.8	78.8	78.8	75.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥20000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 18000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 16000	84.1	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
IV 14000	84.4	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 12000	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 10000	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 9000	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 8000	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 7000	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 6000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 5000	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 4500	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 4000	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	97.6	97.7	97.7	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3000	97.6	97.9	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	97.9	98.0	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2000	98.1	98.3	98.4	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.1	98.4	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1500	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 900	98.1	98.6	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	98.1	98.7	98.9	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

20.34  
STATION

KIRTLAND AFB NM  
STATION NAME

55-70, 73-79  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

09C0-1100  
TIME PERIOD

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING ≥ 20000	78.2	78.2	78.2	78.2	75.2	75.2	73.2	78.2	78.2	78.2	78.2	78.2	75.2	78.2	78.2	78.2
≥ 18000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 16000	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 14000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 12000	86.8	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 10000	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 9000	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 8000	89.2	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 7000	91.3	91.3	91.3	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000	94.3	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 5000	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 4500	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 4000	97.2	97.2	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 3500	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 3000	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 2500	98.4	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 2000	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	98.4	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1500	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1200	98.4	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1000	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 800	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	98.6	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
47- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 04  
STATION

WIRTLAND AFB NM  
STATION NAME

66-70, 73-79  
YEARS

APP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	70.3	70.6	70.6	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
≥ 20000	60.0	60.2	60.2	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 18000	60.1	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 16000	60.1	60.3	60.3	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV 14000	60.7	60.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
IV 12000	62.8	63.0	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 10000	63.6	63.8	63.8	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0	64.0
IV 9000	63.8	64.0	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
IV 8000	64.6	64.8	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 7000	68.2	68.4	68.4	68.7	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
IV 6000	93.4	93.8	93.8	94.0	94.0	94.0	94.1	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2
IV 5000	95.9	96.2	96.2	96.4	96.4	96.4	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 4500	96.3	96.7	96.7	97.0	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 4000	97.2	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3500	97.4	97.9	97.9	98.2	98.2	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	97.8	98.2	98.2	98.6	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500	97.9	98.3	98.3	98.8	98.8	98.8	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	98.0	98.4	98.4	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1800	98.0	98.4	98.4	99.0	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	98.1	98.7	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1200	98.1	98.7	98.8	99.2	99.2	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1000	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	98.1	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 0	98.3	98.7	98.8	99.2	99.3	99.3	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27.04  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70, 73-79  
YEARS

APR  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	62.6	62.8	63.1	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 20000	74.5	74.3	74.7	74.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
≥ 18000	74.1	74.4	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 16000	74.1	74.4	74.8	74.9	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 14000	75.4	75.8	76.1	76.2	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV 12000	77.8	78.1	78.4	78.6	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 10000	79.1	79.4	79.8	79.9	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
IV 9000	79.4	79.8	80.1	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 8000	82.6	82.9	83.2	83.3	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.6
IV 7000	89.7	90.3	90.3	90.4	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000	95.1	95.6	96.0	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 5000	96.6	97.0	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 4500	96.6	97.0	97.4	97.6	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 4000	97.1	97.6	98.0	98.1	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 3500	97.3	97.8	98.2	98.3	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	97.4	97.9	98.3	98.4	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 2500	97.6	98.0	98.4	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 2000	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1500	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 600	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 400	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 200	97.9	98.3	98.6	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	98.0	98.4	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 100	98.0	98.4	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
0	98.0	98.4	98.9	99.0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004 HIRTLAND AFB NM

68-70, 73-79

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1600-2000  
0000-1500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	68.8	68.8	68.8	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥20000	76.4	76.4	76.4	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 18000	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 16000	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 14000	78.0	78.0	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 12000	83.6	83.7	83.8	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 10000	86.4	86.9	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 9000	87.2	87.7	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 8000	88.8	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 7000	92.2	92.7	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 6000	97.3	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 5000	98.2	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4500	98.7	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 4000	98.9	99.3	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3500	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	99.2	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
0	99.3	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
SAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2734 KIRTLAND AFB NM

56-70,73-79

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	78.3	75.4	78.4	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 20000	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 18000	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 16000	84.1	84.2	84.2	84.2	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 14000	85.4	85.6	85.6	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 12000	88.9	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 10000	91.7	91.9	91.9	91.9	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 9000	92.6	92.8	92.8	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 8000	93.2	93.4	93.4	93.4	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 7000	94.4	94.7	94.7	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 6000	96.4	96.8	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 5000	97.7	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 4500	98.2	98.6	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4000	98.7	99.0	99.0	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	99.0	99.3	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3000	99.1	99.4	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2500	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1200	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.3	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2.04  
STATION

AIRPLAND AFB NM  
STATION NAME

65-70,73-79  
YEARS

APP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	74.5	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥20000	81.1	81.3	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥18000	81.3	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5	81.5
≥16000	81.3	81.4	81.5	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥14000	82.3	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥12000	85.1	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥10000	87.7	87.9	88.0	88.0	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
≥9000	88.3	88.5	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥8000	89.2	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥7000	91.8	92.0	92.0	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥6000	95.1	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥5000	96.5	96.8	96.8	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥4500	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥4000	97.5	97.8	97.9	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥3500	98.1	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥3000	98.2	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥2500	98.4	98.7	98.9	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2
≥2000	98.5	98.9	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1800	98.5	98.9	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥1500	98.5	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥1200	98.5	99.0	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥1000	98.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥900	98.6	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥800	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7
≥700	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥600	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥500	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥400	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥300	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥200	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥100	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7
≥0	98.6	99.1	99.3	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 7200



ATA PROCESSING BRANCH  
USAF ETAC  
ATTN: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2.04  
STATION

KIRTLAND AFB NM  
STATION NAME

63-70,73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2062-0200  
DATA

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	20
NO CEILING	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 20000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 18000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 16000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 14000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 12000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 10000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 9000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 8000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 7000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 6000	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 5000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 4500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 4000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 930



FA A PROCESSING BRANCH  
 147 7742  
 1. FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
 STATION

WRIGHTLAND AFB NM  
 STATION NAME

66-70,73-79  
 YEAR

MAY  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

0100-0500  
 TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	50.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥20000	56.8	66.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 18000	46.9	66.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 16000	46.9	66.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 14000	47.0	67.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 12000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 10000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 9000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
IV 8000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 7000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 6000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 5000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 4500	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 4000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3500	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.1	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1500	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1200	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 1000	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 900	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	99.4	99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 950



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0600  
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING	51.1	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 20000	86.7	86.0	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 18000	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 16000	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 14000	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 12000	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 10000	93.5	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 9000	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 8000	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 7000	95.4	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 6000	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 5000	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 4500	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 4000	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 3000	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2000	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1500	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1000	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 500	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	99.4	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
AF ETAC  
AIR FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

KIRTLAND AFB NM  
STATION NAME

58-72,73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 20000	67.8	88.0	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 18000	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 16000	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 14000	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 12000	90.6	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 10000	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 9000	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
IV 8000	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 7000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 6000	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 5000	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 4500	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 4000	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3500	98.5	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 3000	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2000	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

58-73,73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 20000	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
IV 18000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 16000	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 14000	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
IV 12000	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5	65.5
IV 10000	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
IV 9000	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
IV 8000	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
IV 7000	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
IV 6000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 5000	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4500	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000	97.7	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 3500	98.2	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 3000	98.6	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2500	98.7	98.9	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	99.0	99.4	99.5	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.0	99.5	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.1	99.6	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0-	99.4	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2.04  
STATION

FIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 20000	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 16000	75.9	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
IV 14000	76.8	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
IV 12000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 10000	81.1	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 9000	81.4	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 8000	87.8	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 7000	92.5	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 6000	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 5000	98.2	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 4500	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4000	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 3500	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 3000	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	98.8	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.2	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004 KIRTLAND AFB NM

68-70,73-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 20000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 18000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 14000	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5
≥ 12000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 10000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 9000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 8000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 7000	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 6000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 5000	98.9	99.1	99.2	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 4500	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.0	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3000	99.1	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.2	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
WV WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

AIRLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

MAY  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300  
LOCAL TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 20000	20.9	81.0	61.7	81.0	21.0	81.0	81.0	81.0	61.0	81.0	81.0	81.0	81.0	61.0	81.0	81.0
≥ 18000	80.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 16000	60.9	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
≥ 14000	61.5	81.6	81.6	91.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 12000	65.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 10000	68.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 9000	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 8000	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 7000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 6000	96.6	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 5000	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4500	98.3	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3500	99.2	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

MAY  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DAYS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING ≥ 20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
IV 16000	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 14000	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 12000	86.7	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 10000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 9000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 8000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
IV 7000	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 6000	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 5000	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 4500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 4000	98.6	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 3500	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 3000	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 2500	99.1	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2000	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.3	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.4	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.4	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.4	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7439



DATA PROCESSING BRANCH  
USAF ETAC  
520 WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
STATION

KIRTLAND AFB NM  
STATION NAME

62-73,73-79  
YEARS

JUN  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3000-0200  
LOCAL TIME

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 20000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 16000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 14000	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 12000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
IV 10000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 9000	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
IV 8000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 7000	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 6000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 500



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

KIRTLAND AFB NM

STATION NAME

66-70,73-79

YEARS

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 18000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 16000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 14000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 12000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 9000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
IV 8000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 7000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3500	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04

KIRTLAND AFB NM

66-7C, 73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-6800

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING ≥ 23000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 18000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
IV 16000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 14000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 12000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 10000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 9000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
IV 8000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 7000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27.04  
STATION

KIRTLAND AFB NM  
STATION NAME

65-70,73-79  
YEAR

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 20000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 18000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 16000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 14000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 12000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 10000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 9000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 8000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 7000	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
ATTN: WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2.04  
STATION

WRIGHTLAND AFB NM

68-73,73-79

JULY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1250-1500  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ 20000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 18000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 16000	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 14000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 12000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 8000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 7000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 5000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 4500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
ATTN: WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING ≥ 20000	67.1 79.5	67.1 79.5	67.1 79.5	67.1 79.6	67.1 79.6	67.1 79.6	67.1 79.6	67.1 79.6	67.1 79.6	67.1 79.6	67.1 79.8	67.1 79.8	67.1 79.8	67.1 79.8	67.1 79.8	67.2 79.9
IVM 18000 16000	79.6 79.6	79.6 79.6	79.6 79.6	79.8 79.8	79.8 79.8	79.8 79.8	79.8 79.8	79.8 79.8	79.8 79.8	79.8 79.9	79.9 79.9	79.9 79.9	79.9 79.9	79.9 79.9	79.9 79.9	80.0 80.0
IVM 14000 12000	80.2 83.5	80.2 83.5	80.2 83.5	80.3 83.6	80.3 83.6	80.3 83.6	80.3 83.6	80.3 83.6	80.3 83.6	80.3 83.8	80.4 83.8	80.4 83.8	80.4 83.8	80.4 83.8	80.4 83.8	80.5 83.9
IVM 10000 9000	84.1 84.8	84.1 84.8	84.1 84.8	84.2 84.9	84.2 84.9	84.2 84.9	84.2 84.9	84.2 84.9	84.2 84.9	84.2 85.0	84.3 85.0	84.3 85.0	84.3 85.0	84.3 85.0	84.3 85.0	84.4 85.1
IVM 8000 7000	92.2 97.3	92.2 97.3	92.2 97.3	92.3 97.4	92.3 97.4	92.3 97.4	92.3 97.4	92.3 97.4	92.3 97.4	92.3 97.6	92.4 97.6	92.4 97.6	92.4 97.6	92.4 97.6	92.4 97.6	92.5 97.7
IVM 6000 5000	99.2 99.3	99.3 99.4	99.3 99.4	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.4 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.7 99.8
IVM 4500 4000	99.3 99.3	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IVM 3500 3000	99.3 99.3	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IVM 2500 2000	99.3 99.3	99.4 99.4	99.4 99.4	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.6	99.6 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8
IVM 1800 1500	99.3 99.3	99.4 99.4	99.4 99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.8 99.9
IVM 1200 1000	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9
IVM 900 800	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9
IVM 700 600	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9
IVM 500 400	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0
IVM 300 200	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0
IVM 100 0	99.3 99.3	99.4 99.4	99.6 99.6	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 899



DATA PROCESSING BRANCH  
USAF ETAC  
AT- WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2704 STATION KIRTLAND AFB NM

68-70,73-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	68.9	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 20000	78.5	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 18000	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 15000	78.3	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 14000	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 12000	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
IV 10000	84.9	84.9	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 9000	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 8000	93.8	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
IV 7000	97.9	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 6000	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4500	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3500	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3000	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
ATF WEATHER SERVICE/HAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15
NO CEILING	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 20000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 18000	93.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 16000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 14000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 12000	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 10000	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 9000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 8000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 7000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 6000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2304  
STATION

KIRTLAND AFB NM  
STATION NAME

68-79, 73-79  
YEARS

JUN  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5 16	≥.	≥0
NO CEILING	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.4
≥ 20000	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 18000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
IV 16000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 14000	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 12000	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.3
IV 10000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 9000	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 8000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 7000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 6000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 5000	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4500	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 4000	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 1200	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 1000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 900	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 800	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 700	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 600	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 400	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 300	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 200	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 100	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0
IV 0	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7199



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

24004  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70,73-79  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1 1/2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 20000	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 18000	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 16000	65.5	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 14000	66.8	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 12000	83.3	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 10000	88.8	89.0	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 9000	89.5	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 8000	92.7	92.9	93.0	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 7000	95.9	96.1	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 6000	97.8	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 5000	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 4500	98.7	98.9	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 4000	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.1	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.2	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.5	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2004  
STATION

FIRTLAND AFB NM  
STATION NAME

56-70,73-79  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥0
NO CEILING ≥ 20000	72.6	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 18000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 16000	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 14000	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 12000	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 10000	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 9000	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
IV 8000	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 7000	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
IV 6000	97.6	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 5000	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 4500	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	99.4	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3500	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFC WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 JUL 79  
STATION

KIPTLAND AFB NM  
STATION NAME

66-70,73-79

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 20000	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 18000	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 16000	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
≥ 14000	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 12000	91.3	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 10000	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	95.1	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 8000	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 7000	96.3	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 6000	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 5000	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4500	98.2	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 4000	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	98.6	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	99.1	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 1800	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1000	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 900	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 800	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 700	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 600	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	99.2	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79

YEAR

JUL  
2014

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

7907-1100  
0000-1100

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 20000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 18000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 16000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 14000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 12000	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 10000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 9000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 8000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 7000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 5000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEAR

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1800  
TIME

CEILING -FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥.005
NO CEILING	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 20000	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
IV 18000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 16000	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 14000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 12000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 10000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 9000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 8000	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
IV 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 6000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27104  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING ≥ 20000	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1	49.6 69.1
IV 18000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 16000	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
IV 14000	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
IV 12000	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
IV 10000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 9000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 7000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 5000	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4500	99.6	99.6	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4000	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	99.6	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
 USAF ETAC  
 ATC WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23.04 KIRTLAND AFB NM

68-79,73-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8	41.8
IV 20000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 18000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 16000	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
IV 14000	56.7	58.7	56.7	58.7	56.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
IV 12000	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV 10000	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9	73.9
IV 9000	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1	75.1
IV 8000	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
IV 7000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 5000	98.7	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 4500	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 4000	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3500	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 3000	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2500	98.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AF- WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

AIRTLAND AFB NM  
STATION NAME

66-70,73-79  
YEARS

JUL  
MO

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 20000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 18000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 16000	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 14000	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 12000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 10000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 9000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 8000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 7000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 6000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 5000	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4500	98.4	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 4000	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3500	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 2500	99.1	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27.04  
STATION

KIRTLAND AFB NM

68-70,73-79

JUL  
1968

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
DATA

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 20000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 18000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 16000	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 14000	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
≥ 12000	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 10000	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 9000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 8000	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 7000	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 6000	98.4	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 5000	99.0	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4500	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	99.2	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3500	99.3	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 3000	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.4	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.5	99.8	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7439



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

WIRTLAND AFB AM  
STATION NAME

66-70,73-79  
YEARS

AME  
LOC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥0
NO CEILING	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 20000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 18000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 16000	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 14000	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 12000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 10000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 9000	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 8000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 7000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 6000	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 5000	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4000	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3000	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 2500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 900	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 600	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 400	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 300	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 200	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 100	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AID WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27.04  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-2500  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≤ 1/8	≤	≤ 0
NO CEILING	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 18000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 16000	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
IV 14000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 12000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
IV 10000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 9000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 8000	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 7000	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
IV 6000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 5000	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 4500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4000	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3500	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3000	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 2000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

3600-3800  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥0
NO CEILING	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 20000	78.4	76.4	73.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 18000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 16000	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 14000	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 12000	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 10000	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 9000	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 8000	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 7000	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 6000	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 5000	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 4500	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4000	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 3500	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 3000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 938



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
HOURS

CEILING (FEET)	VISIBILITY : STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥0
NO CEILING	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 20000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 18000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 16000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 14000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 12000	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 10000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 9000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 8000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 7000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 6000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 5000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4500	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 4000	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 3000	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 2000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 C4  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .15	≥ .1	≥ .05	≥ .025	≥ 0
NO CEILING ≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 16000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 14000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 12000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 10000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 9000	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
IV 8000	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
IV 7000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 6000	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 5000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.15	≥.10	≥.05	≥0
NO CEILING	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 20000	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV 18000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 16000	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0	76.0
IV 14000	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 12000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
IV 10000	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 9000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 8000	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 7000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8
IV 6000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0
IV 5000	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8
IV 4500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 4000	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 3500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
IV 3000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 2500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 2000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 1800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 1500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 1200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 1000	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 900	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 800	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 700	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 600	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 500	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 400	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 300	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 200	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 100	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0
IV 0	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23 04  
STATION

WIRTLAND AFB NM  
STATION NAME

68-70,73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥0
NO CEILING	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 20000	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 18000	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
IV 16000	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
IV 14000	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
IV 12000	80.7	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
IV 10000	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 9000	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 8000	89.1	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 7000	94.6	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
IV 6000	97.8	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 5000	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4500	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 4000	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 3500	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 3000	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2500	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2000	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.1	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 927



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27.04  
STATION

KIRTLAND AFB NM  
STATION NAME

66-70, 73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 20000	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
≥ 18000	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 16000	66.2	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3	66.3
IV 14000	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 12000	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 10000	86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
IV 9000	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 8000	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
IV 7000	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 6000	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 5000	97.9	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 4500	98.6	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 4000	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3500	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 3000	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2500	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2000	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1500	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1200	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 800	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 700	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 600	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 500	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	98.8	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 926



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21064  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
YEARS

AUG  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥0
NO CEILING	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
≥20000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥18000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 16000	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
IV 14000	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
IV 12000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 10000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 9000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 8000	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
IV 7000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 6000	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 5000	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 4500	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 4000	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3500	99.3	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 3000	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 2500	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 2000	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1800	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1200	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 1000	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.6	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 7432



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

67-73,73-78  
YEAR

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	76.8	76.9	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 20000	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 18000	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 16000	78.6	78.7	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 14000	79.1	79.2	79.2	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 12000	86.0	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 10000	91.6	91.7	91.7	91.7	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
≥ 9000	91.9	92.0	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
≥ 8000	93.7	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 7000	95.2	95.3	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 6000	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	97.6	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 4500	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	98.7	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 3000	99.2	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1800	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1500	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 1200	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	99.6	99.7	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
CAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27 04  
STATION

KIPTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	78.1	78.2
≥ 20000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.2
IV 18000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.2
IV 16000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.1	81.2
IV 14000	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.8	81.9
IV 12000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.9
IV 10000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.3
IV 9000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.6	92.7
IV 8000	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.9	93.0
IV 7000	94.9	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.3	95.4
IV 6000	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	96.0	96.1
IV 5000	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	97.0	97.1
IV 4500	97.0	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.6	97.7
IV 4000	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	98.1	98.2
IV 3500	98.0	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.7	98.8
IV 3000	98.2	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.9	99.0
IV 2500	98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.3
IV 2000	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4
IV 1800	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4
IV 1500	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4
IV 1200	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4
IV 1000	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.3	99.4
IV 900	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.7
IV 800	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.7
IV 700	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.7
IV 600	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.6	99.7
IV 500	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8
IV 400	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8
IV 300	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8
IV 200	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8
IV 100	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8
IV 0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.7	99.8

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27004  
STATION

WRIGHTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥0	≥0	≥0	≥0	≥0	≥0
NO CEILING	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
≥20000	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6
≥18000	77.2	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6
IV 16000	77.3	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.7
IV 14000	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.1
IV 12000	84.3	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
IV 10000	89.4	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1
IV 9000	90.4	90.9	90.9	90.9	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
IV 8000	91.1	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.8
IV 7000	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0
IV 6000	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.3
IV 5000	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6
IV 4500	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.6
IV 4000	97.9	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8
IV 3500	98.0	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9
IV 3000	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 2500	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3
IV 2000	98.6	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IV 1800	98.5	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4
IV 1500	98.7	99.4	99.4	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 1200	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 1000	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 900	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 800	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 700	98.8	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 600	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 500	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 300	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 200	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 100	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 0	98.9	99.7	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04 FORTLAND AFB NM

67-78, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-1100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.25	≥.16	≥.1	≥.05	≥.01
NO CEILING ≥ 20000	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
IV 18000	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
IV 16000	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
IV 14000	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
IV 12000	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
IV 10000	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
IV 9000	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
IV 8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
IV 7000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 6000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
IV 5000	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
IV 4500	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 4000	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 3500	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3000	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
IV 2500	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 1800	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-76  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 20000	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 15000	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 16000	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 14000	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
≥ 12000	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 10000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 9000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 8000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 7000	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 6000	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 5000	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 4500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 4000	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 3500	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 2500	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING SPANCP  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 34  
STATION

KIPTLAND AFB NM

67-70, 73-72

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥20000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥18000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥16000	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9	77.9
≥14000	76.7	78.7	78.7	78.7	78.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	76.7
≥12000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥10000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥9000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥8000	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥7000	94.9	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥5000	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥4500	98.9	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥4000	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥3500	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥3000	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥2500	99.4	99.4	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥2000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1800	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1200	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥1000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥900	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥800	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥700	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥600	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥500	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥400	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥300	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥200	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥100	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04 KIRTLAND AFB NM

67-70, 73-78

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.7	≥2	≥1.7	≥1.4	≥1	≥.7	≥.5	≥.3	≥.16	≥.0	≥.0
NO CEILING ≥ 20000	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
≥ 18000	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 16000	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 14000	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 12000	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
≥ 10000	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2
≥ 9000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 8000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 7000	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
≥ 6000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5000	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 4500	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 4000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2000	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1800	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04 AIRLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 20000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 18000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 16000	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 14000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 12000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 10000	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 9000	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 8000	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 7000	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 6000	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 5000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 4500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 4000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 3500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 3000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 2000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1000	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 900	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 300	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2-04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

SEP  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

ALL  
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥0
NO CEILING	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.9	74.9
≥ 20000	79.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.9	78.9
IV 18000	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0
IV 16000	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
IV 14000	79.5	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
IV 12000	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.8
IV 10000	89.9	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 9000	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.9
IV 8000	92.4	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.6
IV 7000	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7
IV 6000	96.6	96.7	96.7	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 5000	97.8	97.9	97.9	97.9	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
IV 4500	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.5
IV 4000	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 3500	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
IV 3000	99.1	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 2500	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.7
IV 2000	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 1800	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.8
IV 1500	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 1000	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 900	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 800	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 700	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 600	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 500	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 400	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 300	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 200	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 100	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9
IV 0	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 7200



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-76  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS (LST)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING ≥ 20000	61.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	81.9 83.1	82.0 83.2
IV 18000	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.4
IV 14000	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.2
IV 12000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.9
IV 10000	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9
IV 9000	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.6
IV 8000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5
IV 7000	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4
IV 6000	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
IV 5000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
IV 4500	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.7
IV 4000	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
IV 3500	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 3000	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7
IV 2500	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0
IV 2000	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.6
IV 1800	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 1500	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 1200	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 1000	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 900	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 800	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.7
IV 700	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 600	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 500	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 400	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 300	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 200	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 100	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8
IV 0	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AFD WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIPTLAND AFB NH  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1
NO CEILING ≥ 20000	62.4 83.4	52.4 83.4	62.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.4 83.4	82.5 83.5	82.5 83.5	82.5 83.5
IV 18000 IV 16000	63.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.4 83.7	83.5 83.8	83.5 83.8	83.5 83.8
IV 14000 IV 12000	64.5 86.9	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.6 87.0	84.7 87.1	84.7 87.1	84.7 87.1
IV 10000 IV 9000	90.8 92.2	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	90.9 92.3	91.0 92.4	91.0 92.4	91.0 92.4
IV 8000 IV 7000	92.4 93.3	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.5 93.5	92.6 93.7	92.6 93.7	92.6 93.7
IV 6000 IV 5000	95.2 95.6	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.5 95.9	95.6 96.0	95.6 96.0	95.6 96.0
IV 4500 IV 4000	97.1 97.6	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.4 98.1	97.5 98.2	97.5 98.2	97.5 98.2
IV 3500 IV 3000	97.7 98.1	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.2 98.6	98.3 98.7	98.3 98.7	98.3 98.7
IV 2500 IV 2000	98.2 98.2	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.9 98.9	98.9 98.9	98.9 98.9
IV 1800 IV 1500	98.2 98.4	98.8 99.1	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.8 99.2	98.9 99.4	98.9 99.4	98.9 99.4
IV 1200 IV 1000	98.5 98.5	99.2 99.2	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.4 99.4	99.5 99.5	99.5 99.5	99.5 99.5
IV 900 IV 800	98.6 98.7	99.4 99.6	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.5 99.7	99.6 99.8	99.6 99.8	99.6 99.8
IV 700 IV 600	98.7 98.8	99.6 99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.7 99.8	99.8 99.9	99.8 99.9	99.8 99.9
IV 500 IV 400	98.8 98.8	99.7 99.7	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9
IV 300 IV 200	98.8 98.9	99.7 99.8	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.8 99.9	99.9 100.0	99.9 100.0	99.9 100.0
IV 100 IV 0	98.9 98.9	99.8 99.8	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	100.0 100.0	100.0 100.0	100.0 100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2.04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-7E  
YEARS

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7600-0800  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ 0
NO CEILING	79.4	79.4	79.4	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 20000	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 18000	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 16000	81.1	81.2	81.2	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 14000	82.3	82.5	82.5	82.5	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
IV 12000	84.9	85.0	85.0	85.0	85.0	85.0	85.1	85.1	85.1	85.3	85.3	85.3	85.4	85.4	85.4	85.4
IV 10000	87.1	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4	87.5	87.5	87.5	87.5
IV 9000	87.8	87.9	87.9	87.9	87.9	87.9	88.1	88.1	88.1	88.2	88.2	88.2	88.3	88.3	88.3	88.3
IV 8000	89.7	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9	90.0	90.0	90.0	90.1	90.1	90.1	90.1
IV 7000	90.3	90.4	90.4	90.5	90.5	90.5	90.6	90.6	90.6	90.9	90.9	90.9	91.0	91.0	91.0	91.1
IV 6000	93.2	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.8	93.8	93.8	93.9	93.9	93.9	94.0
IV 5000	94.7	94.8	94.8	94.9	94.9	94.9	95.0	95.0	95.0	95.3	95.3	95.3	95.4	95.4	95.4	95.5
IV 4500	95.8	95.9	95.9	96.0	96.0	96.0	96.1	96.1	96.1	96.3	96.3	96.3	96.4	96.4	96.4	96.6
IV 4000	96.1	96.2	96.2	96.3	96.3	96.3	96.4	96.4	96.4	96.7	96.7	96.7	96.8	96.8	96.8	96.9
IV 3500	96.6	96.7	96.7	96.8	96.8	96.8	96.9	96.9	96.9	97.1	97.1	97.1	97.2	97.2	97.2	97.3
IV 3000	96.8	97.0	97.0	97.1	97.1	97.1	97.2	97.2	97.2	97.4	97.4	97.4	97.5	97.5	97.5	97.6
IV 2500	96.9	97.1	97.1	97.2	97.2	97.2	97.3	97.3	97.3	97.5	97.5	97.5	97.6	97.6	97.6	97.7
IV 2000	97.2	97.4	97.4	97.5	97.5	97.5	97.6	97.7	97.7	98.0	98.0	98.0	98.1	98.1	98.1	98.2
IV 1800	97.3	97.5	97.5	97.6	97.6	97.6	97.7	97.8	97.8	98.1	98.1	98.1	98.2	98.2	98.2	98.3
IV 1500	97.7	98.0	98.0	98.1	98.1	98.1	98.2	98.3	98.3	98.5	98.5	98.5	98.6	98.6	98.6	98.7
IV 1200	97.7	98.2	98.3	98.4	98.4	98.4	98.5	98.6	98.6	98.8	98.8	98.8	98.9	98.9	98.9	99.0
IV 1000	97.8	98.3	98.4	98.5	98.5	98.5	98.6	98.7	98.7	98.9	98.9	98.9	99.0	99.0	99.0	99.1
IV 900	98.0	98.4	98.5	98.6	98.6	98.6	98.7	98.8	98.8	99.0	99.0	99.0	99.1	99.1	99.1	99.2
IV 800	98.2	98.6	98.7	98.8	98.8	98.8	98.9	99.0	99.0	99.2	99.2	99.2	99.3	99.3	99.3	99.5
IV 700	98.3	98.8	98.8	98.9	98.9	98.9	99.0	99.1	99.1	99.4	99.4	99.4	99.5	99.5	99.5	99.6
IV 600	98.3	98.8	98.9	99.0	99.0	99.0	99.1	99.2	99.2	99.5	99.5	99.5	99.6	99.6	99.6	99.7
IV 500	98.3	98.8	98.9	99.0	99.0	99.0	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8
IV 400	98.3	98.8	98.9	99.0	99.0	99.0	99.1	99.4	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8
IV 300	98.4	98.9	99.0	99.1	99.1	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 200	98.4	98.9	99.0	99.1	99.1	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 100	98.4	98.9	99.0	99.1	99.1	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9
IV 0	98.4	98.9	99.0	99.1	99.1	99.1	99.2	99.5	99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
USAF ETAC  
AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-72,73-78  
YEARS

OCT  
DATE

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0900-1100  
TIME

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	50.4	30.4	67.4	60.4	80.4	30.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 20000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 18000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 16000	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
IV 14000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 12000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 10000	88.4	88.4	88.4	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 9000	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 8000	91.8	91.8	91.8	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
IV 7000	92.0	92.0	92.0	92.0	92.0	92.0	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
IV 6000	93.5	93.8	93.8	93.8	93.8	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
IV 5000	94.8	95.1	95.1	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 4500	95.9	96.1	96.1	96.2	96.2	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4000	96.3	96.6	96.6	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 3500	97.1	97.3	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 3000	97.2	97.4	97.4	97.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	97.3	97.5	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 2000	97.8	98.1	98.1	98.2	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 1800	98.1	98.3	98.3	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	98.1	98.3	98.3	98.4	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1200	98.5	98.7	98.7	98.8	98.9	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 1000	98.7	98.9	98.9	99.0	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
IV 900	98.8	99.0	99.0	99.1	99.2	99.2	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 800	98.8	99.2	99.2	99.4	99.5	99.5	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	98.9	99.4	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	98.9	99.4	99.4	99.5	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	98.9	99.4	99.4	99.5	99.6	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM

STATION NAME

67-70,73-72

YEARS

01  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1400  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥20000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥18000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥16000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥14000	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥12000	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥10000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
≥9000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥8000	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥7000	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥6000	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥5000	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥4500	96.2	96.3	96.3	96.3	96.3	96.3	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥4000	96.7	96.6	96.6	96.6	96.6	96.6	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥3500	97.3	97.4	97.4	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥3000	97.8	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥2500	98.4	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥2000	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1800	98.6	98.7	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥1500	98.9	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥1200	99.1	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥1000	99.1	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥900	99.1	99.6	99.7	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥800	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥700	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥600	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥500	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥400	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥300	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥200	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥100	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	99.1	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC

FORM 44-64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



DATA PROCESSING BRANCH  
USAF ETAC  
AFB WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-76  
YEAR

OCT  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 14000	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
IV 12000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 10000	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
IV 9000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 8000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 7000	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 6000	95.6	95.6	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 5000	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
IV 4500	97.5	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3500	98.0	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3000	98.3	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
IV 2500	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 2000	99.2	99.4	99.4	99.4	99.5	99.5	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1800	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1200	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 900	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 700	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 600	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 500	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 300	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 200	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 100	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 0	99.4	99.5	99.5	99.5	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
 USAF ETAC  
 AID WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2. 04 KIRTLAND AFB NM  
 STATION STATION NAME

67-70,73-79  
 YEARS

OCT  
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

1800-2000  
 HOUR

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 20000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 18000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 16000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 14000	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
IV 12000	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
IV 10000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 9000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
IV 8000	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
IV 7000	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
IV 6000	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 5000	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 4500	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000	98.1	98.1	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 3500	98.5	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2500	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 2000	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1800	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1500	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1200	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 1000	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 900	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 800	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 700	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 600	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 500	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 24  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING ≥ 20000	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 18000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 16000	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
IV 14000	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
IV 12000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
IV 10000	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 9000	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 8000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
IV 5000	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4500	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 4000	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 3500	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 3000	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 2500	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 2000	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1800	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1500	99.1	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 1200	99.1	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 1000	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 900	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 800	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.2	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 400	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	99.2	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

OCT  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
MONTHS

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥20000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥18000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥16000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥14000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥12000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥10000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥9000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥8000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥7000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥6000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥5000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥4500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥4000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥3500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥3000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥2500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥2000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥1800	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥1500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥1200	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥1000	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥900	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥800	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥700	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥600	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥500	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥400	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥300	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥200	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥100	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥0	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9

TOTAL NUMBER OF OBSERVATIONS 7439



DATA PROCESSING BRANCH  
USAF ETAC  
AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-79  
YEAR

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0800-0200  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 20000	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
IV 18000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 16000	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
IV 14000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 12000	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IV 10000	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7	87.7
IV 9000	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
IV 8000	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8	88.8
IV 7000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 6000	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
IV 5000	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 4500	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 4000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 3500	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 3000	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
IV 2500	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 2000	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 1800	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
IV 1500	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1000	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
IV 900	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
IV 800	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 400	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 300	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 100	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS

900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27-04  
STATION

RIEPLAND AFB NM  
STATION NAME

57-70, 73-78  
YEARS

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	81.2	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	82.0	82.0	82.1
≥ 20000	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.9
≥ 18000	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.8	83.8	83.9
IV 16000	83.7	83.7	83.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9	84.0
IV 14000	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.8
IV 12000	87.1	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.4
IV 10000	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	89.0	89.0	89.1
IV 9000	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3	89.3	89.4
IV 8000	89.2	89.2	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.6
IV 7000	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.1	90.1	90.2
IV 6000	91.0	91.0	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.3
IV 5000	92.1	92.1	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.3	92.3	92.4
IV 4500	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.8	93.8	93.9
IV 4000	94.3	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6	94.7
IV 3500	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.9	95.9	96.0
IV 3000	96.7	96.7	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.1	97.2
IV 2500	96.3	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4
IV 2000	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	98.0
IV 1800	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9	98.0
IV 1600	97.5	97.7	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1	98.2
IV 1400	98.0	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.8
IV 1200	98.3	98.4	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	99.0	99.0	99.1
IV 1000	98.4	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.2
IV 900	98.6	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.3
IV 800	98.7	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.4
IV 700	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.5
IV 600	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
IV 500	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
IV 400	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
IV 300	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
IV 200	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.6
IV 100	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.7
IV 0	98.8	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.7

TOTAL NUMBER OF OBSERVATIONS 970



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

WIDTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0600-0800  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	70.3	72.4	74.5	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥18000	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥16000	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥14000	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥12000	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥10000	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥9000	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥8000	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥7000	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥6000	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥5000	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥4500	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥4000	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥3500	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥3000	96.4	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥2500	96.7	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥2000	96.8	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥1800	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1500	97.0	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥1200	97.2	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥1000	97.3	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥900	97.6	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥800	97.7	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥700	97.8	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥600	98.1	98.6	98.7	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥500	98.2	98.7	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥400	98.2	98.7	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥300	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥200	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥100	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
0	98.2	98.8	99.0	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2900-1100  
HOURS (LT)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	76.3	76.4	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥20000	80.0	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥18000	80.0	80.1	80.2	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥16000	80.3	80.4	80.5	80.7	80.8	80.9	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥14000	81.6	81.7	81.8	81.9	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥12000	84.7	84.8	84.9	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥10000	87.3	87.4	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥9000	87.3	87.4	87.5	87.6	87.7	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8	87.8
≥8000	88.2	88.3	88.4	88.5	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥7000	89.0	89.1	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥6000	90.8	90.9	91.0	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥5000	93.6	93.8	93.9	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥4500	94.7	94.9	95.0	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥4000	95.6	95.8	95.9	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥3500	95.9	96.1	96.2	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥3000	96.1	96.4	96.6	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥2500	96.4	96.6	96.9	97.0	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥2000	97.1	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1800	97.1	97.8	97.9	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥1500	97.3	98.0	98.1	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥1200	97.4	98.1	98.2	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥1000	97.6	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥900	97.6	98.3	98.4	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥800	97.8	98.6	98.7	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥700	97.9	98.7	98.8	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥600	98.0	98.8	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥500	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥400	98.0	98.9	99.0	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥300	98.1	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥200	98.1	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥100	98.1	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥0	98.2	99.0	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING ≥ 20000	76.6	76.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
≥ 18000	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 16000	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 14000	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 12000	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 10000	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
≥ 8000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 7000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 5000	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 4500	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 4000	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 3000	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 2000	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 1800	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 1500	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1200	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 900	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 800	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 700	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 500	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 100	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2704  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-75  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 20000	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 18000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 16000	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
IV 14000	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 12000	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.1
IV 10000	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 9000	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 8000	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 7000	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3	69.3
IV 6000	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 5000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 4500	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
IV 4000	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3500	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 3000	97.4	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 2500	98.1	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
IV 2000	98.6	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1800	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
IV 1500	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1200	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 1000	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 900	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 800	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 700	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 600	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 500	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 400	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 300	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 200	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	99.6	99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104 KIRTLAND AFB NM

67-70,73-78

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2000  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	80.1	83.1	83.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 20000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 14000	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 12000	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 10000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 9000	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 8000	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 7000	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 6000	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 5000	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4500	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 4000	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3000	96.4	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 2500	96.8	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 2000	97.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	97.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1200	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 1000	97.7	98.8	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 900	97.7	98.9	99.1	99.3	99.3	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	97.7	99.0	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 700	97.7	99.0	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 600	97.7	99.0	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	97.7	99.0	99.2	99.4	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 400	97.7	99.1	99.3	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300	97.7	99.1	99.4	99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	97.7	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.7	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	97.7	99.2	99.6	99.8	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

WIRTLAND AFB NM  
STATION NAME

67-73,73-78  
YEARS

NOV  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

2100-2300  
HOURS

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	61.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
IV 20000	63.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 18000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	85.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 16000	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
IV 14000	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 12000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
IV 10000	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 9000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 8000	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
IV 7000	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
IV 6000	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
IV 5000	94.4	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 4500	95.9	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 4000	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
IV 3500	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
IV 3000	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2500	97.9	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
IV 2000	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1800	98.2	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
IV 1500	98.3	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
IV 1200	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 1000	98.4	98.8	98.9	98.9	99.0	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
IV 900	98.6	98.9	99.0	99.0	99.1	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
IV 800	98.7	99.0	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 700	98.7	99.0	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 600	98.7	99.0	99.2	99.2	99.3	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
IV 500	98.7	99.0	99.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 400	98.7	99.0	99.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 300	98.7	99.0	99.2	99.2	99.3	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
IV 200	98.7	99.0	99.2	99.2	99.3	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 100	98.7	99.0	99.2	99.2	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
IV 0	98.7	99.0	99.2	99.2	99.3	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 900



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

23-04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-78  
YEARS

NOV  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	79.1	79.1	79.1	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 20000	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 18000	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.4
≥ 16000	82.3	82.3	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 14000	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.6	83.6	83.6
≥ 12000	85.8	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 10000	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4	88.4	88.4
≥ 9000	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.9	89.9	89.9
≥ 8000	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.3
≥ 7000	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 6000	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 5000	93.8	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.1	94.1
≥ 4500	95.0	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 4000	95.6	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 3000	96.9	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 2500	97.2	97.5	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 2000	97.7	98.1	98.1	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 1800	97.8	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1500	97.9	98.3	98.4	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.6	98.6	98.6
≥ 1200	98.2	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1000	98.3	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 900	98.4	98.9	99.0	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 800	98.5	99.0	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 700	98.5	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 600	98.6	99.1	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 500	98.6	99.2	99.3	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 400	98.6	99.2	99.3	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	98.6	99.2	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 200	98.6	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 100	98.6	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 0	98.6	99.2	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

7200



DATA PROCESSING BRANCH  
USAF ETAC  
AFS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

21 04  
STATION

KITLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 1	≥ 0
NO CEILING	76.3	78.6	78.6	79.6	78.5	73.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 20000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 18000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 16000	80.1	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5	80.5
≥ 14000	80.6	81.0	81.0	81.0	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 12000	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 10000	84.7	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	84.9	85.3	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 8000	86.0	86.3	86.3	86.3	86.3	86.3	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 7000	86.8	87.2	87.2	87.2	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 6000	88.8	89.2	89.2	89.2	89.2	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 5000	90.6	91.1	91.1	91.1	91.1	91.1	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4500	91.4	91.9	91.9	91.9	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 4000	92.2	92.8	92.8	92.8	92.8	92.8	92.8	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 3500	92.8	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3000	93.1	94.0	94.0	94.0	94.0	94.0	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
≥ 2500	93.8	94.5	94.6	94.6	94.6	94.6	94.6	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.9
≥ 2000	94.0	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.8
≥ 1800	94.5	96.1	96.2	96.2	96.2	96.2	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8
≥ 1600	94.9	96.6	96.7	96.7	96.7	96.7	96.7	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2
≥ 1400	95.1	96.7	96.8	96.8	96.8	96.8	96.8	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.3
≥ 1200	95.2	96.8	96.9	96.9	96.9	96.9	96.9	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4
≥ 1000	95.4	97.1	97.2	97.2	97.2	97.2	97.2	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.7
≥ 900	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.8
≥ 800	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 700	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 600	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 500	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 400	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 300	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 200	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 100	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1
≥ 0	95.5	97.2	97.3	97.3	97.3	97.3	97.3	97.6	97.7	97.7	97.7	97.7	97.8	97.8	97.8	98.1

TOTAL NUMBER OF OBSERVATIONS 937



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM

67-73,73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0300-0500  
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	77.5	77.6	77.6	77.7	77.7	77.7	77.8	77.8	77.8	78.0	78.0	78.0	78.0	78.0	78.0	78.0
≥ 20000	78.9	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 18000	78.9	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 16000	78.9	79.0	79.0	79.1	79.1	79.1	79.2	79.2	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4
IV 14000	79.6	79.7	79.7	79.8	79.8	79.8	79.9	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0
IV 12000	80.9	81.0	81.0	81.1	81.1	81.1	81.2	81.2	81.2	81.3	81.3	81.3	81.3	81.3	81.3	81.3
IV 10000	83.7	83.8	83.8	83.9	83.9	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1	84.1
IV 9000	84.2	84.3	84.3	84.4	84.4	84.4	84.5	84.5	84.5	84.6	84.6	84.6	84.6	84.6	84.6	84.6
IV 8000	84.7	84.8	84.8	85.1	85.1	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3
IV 7000	85.3	85.4	85.5	85.6	85.6	85.6	85.7	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8
IV 6000	87.4	87.5	87.6	87.7	87.7	87.7	87.8	87.8	87.8	88.0	88.0	88.0	88.0	88.0	88.0	88.0
IV 5000	88.7	88.9	89.0	89.1	89.1	89.1	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
IV 4500	89.9	90.3	90.4	90.5	90.5	90.5	90.9	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0
IV 4000	91.2	91.7	91.8	91.9	91.9	91.9	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3500	91.7	92.3	92.4	92.5	92.5	92.5	92.8	92.8	92.8	92.9	92.9	92.9	92.9	92.9	92.9	92.9
IV 3000	92.0	92.7	92.8	92.9	92.9	92.9	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3	93.3
IV 2500	92.3	93.1	93.2	93.3	93.3	93.3	93.7	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8
IV 2000	92.5	94.0	94.2	94.3	94.3	94.3	94.6	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7
IV 1800	92.6	94.3	94.6	94.7	94.7	94.7	95.1	95.1	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.2
IV 1500	92.9	94.6	95.1	95.2	95.2	95.2	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
IV 1200	93.0	94.8	95.6	95.8	95.8	95.8	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
IV 1000	93.3	95.2	95.9	96.1	96.2	96.2	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
IV 900	93.4	95.3	96.0	96.2	96.3	96.3	96.7	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
IV 800	93.7	95.5	96.2	96.5	96.6	96.6	97.0	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1
IV 700	93.8	95.8	96.6	96.8	96.9	96.9	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4
IV 600	94.0	96.0	96.8	97.0	97.2	97.2	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 500	94.0	96.0	96.8	97.0	97.2	97.2	97.8	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
IV 400	94.0	96.0	96.8	97.0	97.2	97.2	98.0	98.1	98.1	98.2	98.2	98.2	98.2	98.3	98.3	98.3
IV 300	94.0	96.0	96.8	97.0	97.2	97.2	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.4	98.4	98.4
IV 200	94.0	96.0	96.8	97.0	97.2	97.2	98.0	98.1	98.1	98.5	98.5	98.5	98.6	98.6	98.7	98.8
IV 100	94.0	96.0	96.8	97.0	97.2	97.2	98.1	98.2	98.2	98.6	98.6	98.6	98.7	98.7	99.1	99.2
IV 0	94.0	96.0	96.8	97.0	97.2	97.2	98.1	98.2	98.2	98.7	98.7	98.7	98.9	98.9	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
477 WEATHER SERVICE/YAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-76  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6500-0870  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥0	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.15	≥.1
NO CEILING	74.9	74.9	74.9	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.6	75.6
≥ 20000	76.9	76.9	76.9	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5
≥ 18000	76.9	76.9	76.9	77.2	77.2	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.5	77.5
≥ 16000	77.0	77.0	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.6	77.6
≥ 14000	77.8	77.8	77.8	78.2	78.2	78.2	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.3	78.5	78.5
≥ 12000	79.5	79.5	79.5	79.8	79.8	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	80.1	80.1
≥ 10000	81.8	81.8	81.8	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5	82.5
≥ 9000	82.0	82.0	82.0	82.4	82.4	82.4	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.7	82.7
≥ 8000	82.3	82.3	82.3	82.6	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.9	82.9
≥ 7000	83.1	83.1	83.1	83.3	83.3	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.7	83.7
≥ 6000	84.8	84.8	84.8	85.2	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.5	85.5
≥ 5000	87.2	87.2	87.2	87.5	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8
≥ 4500	89.6	89.6	89.6	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.2	90.2
≥ 4000	90.5	90.5	90.5	90.9	90.9	90.9	91.0	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.3	91.3
≥ 3500	91.1	91.1	91.1	91.4	91.4	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.8	91.8
≥ 3000	92.0	92.0	92.0	92.4	92.4	92.4	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.8	92.8
≥ 2500	92.8	92.8	92.8	93.2	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.7	93.7
≥ 2000	92.9	93.1	93.1	93.4	93.4	93.4	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.3	94.3
≥ 1800	93.0	93.2	93.2	93.5	93.5	93.5	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.5	94.5
≥ 1500	93.1	93.3	93.3	93.7	93.7	93.7	94.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6
≥ 1200	93.5	94.1	94.1	94.7	94.7	94.7	95.2	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.7	95.7
≥ 1000	94.2	94.7	94.7	95.4	95.4	95.4	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.3	96.3
≥ 900	94.4	94.9	95.2	95.6	95.6	95.6	96.0	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.6	96.6
≥ 800	94.5	95.1	95.3	95.7	95.7	95.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7
≥ 700	94.5	95.1	95.3	95.7	95.7	95.7	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.7	96.7
≥ 600	94.5	95.2	95.4	95.8	95.8	95.8	96.2	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8
≥ 500	94.6	95.3	95.6	96.0	96.0	96.0	96.6	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.3	97.3
≥ 400	94.6	95.3	95.6	96.0	96.0	96.0	96.6	97.1	97.1	97.1	97.2	97.2	97.2	97.2	97.5	97.5
≥ 300	94.6	95.3	95.7	96.3	96.3	96.3	97.2	97.7	97.7	97.7	97.8	97.8	97.8	97.8	98.2	98.2
≥ 200	94.6	95.3	95.8	96.5	96.5	96.5	97.3	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.8	98.8
≥ 100	94.6	95.3	95.8	96.5	96.5	96.5	97.3	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.8	98.8
≥ 0	94.6	95.3	95.8	96.5	96.5	96.5	97.3	98.0	98.0	98.0	98.4	98.4	98.4	98.4	98.8	98.8

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70,73-76  
DATE

DEC  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

0960-1100  
TIME PERIOD

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .4	≥ .3	≥ .25	≥ .2	≥ .15	≥ 0
NO CEILING	75.6	75.7	75.7	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.9
≥ 20000	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
IV 18000	79.9	80.0	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.2
IV 16000	80.6	80.8	80.8	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	81.0
IV 14000	83.3	83.4	83.4	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.7
IV 12000	84.8	84.9	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2
IV 10000	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
IV 9000	85.6	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.8	85.9
IV 8000	86.0	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3
IV 7000	87.4	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.7
IV 6000	89.1	89.2	89.2	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.5
IV 5000	90.6	90.8	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	91.0
IV 4500	91.8	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.2
IV 4000	93.0	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.3
IV 3500	93.9	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.3
IV 3000	94.1	94.1	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
IV 2500	94.7	94.9	95.1	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.4
IV 2000	94.8	95.1	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.5
IV 1800	95.1	95.3	95.5	95.6	95.6	95.7	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	96.0
IV 1500	95.4	95.8	96.0	96.1	96.1	96.2	96.2	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.6
IV 1200	95.8	96.2	96.5	96.8	96.8	96.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
IV 1000	95.8	96.2	96.5	96.8	96.8	96.9	96.9	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3
IV 900	96.1	96.6	96.8	97.1	97.1	97.2	97.2	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.6
IV 800	96.8	97.3	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	98.0
IV 700	96.6	97.0	97.2	97.5	97.5	97.6	97.7	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.4
IV 600	96.7	97.2	97.5	97.8	97.8	98.0	98.2	98.6	98.6	98.7	98.7	98.8	98.8	98.9	98.9	99.0
IV 500	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 400	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 300	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 200	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 100	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1
IV 0	96.8	97.3	97.6	98.0	98.0	98.1	98.3	98.7	98.7	98.8	98.8	98.9	98.9	99.0	99.0	99.1

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

27-34  
STATION

KIPLAND AFB NM

67-79,73-76

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1200-1400

CEILING -FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 20000	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 18000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 16000	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 14000	79.2	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 12000	83.2	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 10000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 9000	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 8000	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 7000	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
≥ 6000	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
≥ 5000	90.9	91.1	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 4500	92.2	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 4000	93.2	93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 3500	93.9	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 3000	94.9	95.4	95.5	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 2500	95.7	96.1	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 2000	96.1	96.6	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1800	96.1	96.5	96.7	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1500	96.6	97.0	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 1200	96.6	97.0	97.1	97.3	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.6	97.6	97.6	97.6	97.6
≥ 1000	96.6	97.2	97.3	97.6	97.7	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	96.9	97.2	97.3	97.6	97.7	97.8	98.0	98.0	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 800	96.9	97.3	97.4	97.7	97.8	98.0	98.2	98.2	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 700	97.0	97.4	97.5	97.8	98.0	98.1	98.3	98.3	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 600	97.0	97.5	97.5	98.0	98.1	98.2	98.4	98.4	98.4	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 500	97.1	97.5	97.6	98.1	98.2	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	97.1	97.5	97.6	98.1	98.2	98.3	98.5	98.5	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 300	97.1	97.5	97.6	98.2	98.3	98.4	98.7	98.7	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 200	97.1	97.5	97.6	98.2	98.3	98.4	98.7	98.7	98.7	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	97.1	97.5	97.6	98.2	98.3	98.4	98.7	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 0	97.1	97.5	97.6	98.2	98.3	98.4	98.7	98.7	98.7	99.2	99.2	99.2	99.2	99.2	99.2	99.2

TOTAL NUMBER OF OBSERVATIONS 930



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04  
STATION

RIPTLAND AFB NM  
STATION NAME

67-70,73-76  
YEARS

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1500-1700  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.0
NO CEILING	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3	72.3
≥ 20000	76.7	78.7	78.7	78.7	78.7	76.7	78.7	76.7	78.7	76.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 18000	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 16000	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 14000	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 12000	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 10000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 9000	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 8000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 7000	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 6000	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 5000	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 4500	92.8	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 4000	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 3500	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 3000	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2500	95.5	96.0	96.0	96.0	96.0	96.0	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 2000	95.7	96.4	96.4	96.4	96.4	96.4	96.4	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 1800	95.7	96.6	96.6	96.6	96.6	96.6	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1500	95.9	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	96.0	97.0	97.0	97.0	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	96.2	97.2	97.2	97.2	97.2	97.2	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	96.4	97.4	97.4	97.4	97.4	97.4	97.4	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 700	96.6	97.5	97.5	97.5	97.5	97.5	97.5	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 600	96.7	97.6	97.6	97.6	97.6	97.6	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 500	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 400	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 200	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 100	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
≥ 0	96.8	97.7	97.7	97.7	97.7	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8

TOTAL NUMBER OF OBSERVATIONS 929



DATA PROCESSING BRANCH  
SAF ETAC  
AFW WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 04 AIRLAND AFB TX

67-70,73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1800-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING ≥ 20000	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
18000	77.9	77.9	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
16000	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
14000	82.6	82.6	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7	82.7
12000	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
10000	86.5	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
8000	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
6000	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
5000	92.0	92.0	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
4500	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
4000	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
3500	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
3000	94.9	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
2500	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2000	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
1800	95.8	95.8	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
1500	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
1200	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
1000	96.7	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
900	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
800	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
700	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
600	97.1	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
500	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
400	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
300	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
200	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
100	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
0	97.2	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3

TOTAL NUMBER OF OBSERVATIONS 927



DATA PROCESSING BRANCH  
 USAF ETAC  
 AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2104  
 STATION

KIRTLAND AFB NM

67-70, 73-78

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)

2100-2100  
 MONTH

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.4	≥.3	≥.25	≥.2	≥.16	≥.1
NO CEILING	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 20000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 18000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 16000	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
IV 14000	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7
IV 12000	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 10000	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 9000	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
IV 8000	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
IV 7000	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
IV 6000	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
IV 5000	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
IV 4500	91.0	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
IV 4000	91.9	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
IV 3500	92.9	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.5	93.5
IV 3000	93.2	93.6	93.6	94.0	94.0	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.4	94.4
IV 2500	93.4	93.9	94.1	94.2	94.2	94.2	94.3	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.6	94.6
IV 2000	94.2	94.6	94.8	94.9	94.9	94.9	95.0	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.4	95.4
IV 1800	94.2	94.7	94.9	95.0	95.1	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.6	95.6
IV 1500	94.3	95.0	95.3	95.4	95.5	95.5	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.9	95.9
IV 1200	94.7	95.6	95.8	95.9	96.0	96.0	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.4	96.4
IV 1000	95.0	96.0	96.2	96.3	96.4	96.4	96.5	96.5	96.7	96.9	96.9	96.9	96.9	96.9	97.1	97.1
IV 900	95.5	96.8	97.0	97.1	97.2	97.2	97.3	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.8	97.8
IV 800	95.6	96.9	97.2	97.3	97.4	97.4	97.5	97.5	97.6	97.8	97.8	97.8	97.8	97.8	98.1	98.1
IV 700	95.8	97.1	97.4	97.5	97.6	97.6	97.7	97.7	97.8	98.1	98.1	98.1	98.1	98.1	98.3	98.3
IV 600	95.8	97.1	97.4	97.5	97.6	97.6	97.7	97.7	97.8	98.2	98.2	98.2	98.2	98.2	98.4	98.4
IV 500	95.8	97.1	97.6	97.7	97.8	97.8	98.1	98.1	98.3	98.6	98.7	98.7	98.7	98.8	99.0	99.0
IV 400	95.9	97.1	97.7	97.8	98.0	98.0	98.2	98.2	98.4	98.7	98.8	98.8	98.8	98.9	99.1	99.1
IV 300	95.9	97.1	97.8	98.0	98.2	98.2	98.5	98.5	98.7	99.1	99.2	99.2	99.2	99.4	99.7	99.7
IV 200	95.9	97.1	97.8	98.0	98.2	98.2	98.5	98.5	98.7	99.1	99.2	99.2	99.2	99.4	99.7	99.7
IV 100	95.9	97.1	97.8	98.0	98.2	98.2	98.5	98.5	98.7	99.1	99.2	99.2	99.2	99.4	99.7	99.7
IV 0	95.9	97.5	97.8	98.0	98.2	98.2	98.5	98.5	98.7	99.1	99.2	99.2	99.2	99.4	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 17



DATA PROCESSING BRANCH  
USAF ETAC  
AF WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2004  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-78  
YEARS

DEC  
MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥.	≥0
NO CEILING	75.2	75.3	75.3	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥20000	78.7	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9	79.0	79.0
≥18000	78.8	78.9	78.9	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.1
≥16000	78.9	78.9	78.9	79.0	79.0	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥14000	79.6	79.7	79.7	79.7	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥12000	82.1	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥10000	84.5	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥9000	84.7	84.8	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	85.0
≥8000	85.2	85.3	85.3	85.3	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.5
≥7000	85.8	85.7	85.7	85.8	85.8	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥6000	88.0	88.2	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.4
≥5000	89.7	89.9	90.0	90.0	90.0	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.2	90.2
≥4500	91.2	91.4	91.5	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.7	91.7
≥4000	92.3	92.6	92.6	92.7	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥3500	93.0	93.3	93.3	93.4	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.6	93.6
≥3000	93.7	94.0	94.1	94.2	94.2	94.2	94.3	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.5
≥2500	94.0	94.5	94.6	94.7	94.7	94.7	94.8	94.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0
≥2000	94.4	95.1	95.2	95.3	95.3	95.4	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.7	95.7
≥1800	94.5	95.2	95.3	95.4	95.5	95.5	95.7	95.7	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.9
≥1500	94.8	95.6	95.7	95.9	95.9	96.0	96.2	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.4	96.4
≥1200	95.0	95.9	96.2	96.4	96.4	96.5	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥1000	95.4	96.3	96.6	96.6	96.9	96.9	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.4	97.4
≥900	95.5	96.5	96.8	97.0	97.1	97.2	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.7	97.7
≥800	95.7	96.7	97.0	97.2	97.3	97.4	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.9	98.0
≥700	95.8	96.8	97.2	97.4	97.5	97.5	97.8	97.9	97.9	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥600	95.9	96.9	97.3	97.5	97.6	97.7	97.9	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.3	98.3
≥500	96.0	97.1	97.5	97.7	97.8	97.8	98.2	98.4	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.8
≥400	96.0	97.1	97.5	97.7	97.8	97.9	98.3	98.5	98.5	98.6	98.7	98.7	98.8	98.8	98.9	98.9
≥300	96.0	97.1	97.6	97.8	97.9	98.0	98.4	98.7	98.7	98.9	99.0	99.0	99.1	99.1	99.2	99.2
≥200	96.0	97.1	97.6	97.8	97.9	98.0	98.5	98.7	98.7	99.0	99.1	99.1	99.2	99.2	99.3	99.4
≥100	96.0	97.1	97.6	97.8	97.9	98.0	98.5	98.7	98.7	99.0	99.1	99.2	99.3	99.3	99.5	99.6
0	96.0	97.1	97.6	97.8	97.9	98.0	98.5	98.7	98.8	99.1	99.2	99.2	99.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 7433



DATA PROCESSING BRANCH  
USAF ETAC  
AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

27 04  
STATION

KIRTLAND AFB NM  
STATION NAME

67-70, 73-79  
YEARS

ALL  
MONTHS

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 20000	78.5	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 18000	78.5	78.6	78.6	78.6	78.6	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 16000	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 14000	79.5	79.5	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 12000	84.1	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 10000	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥ 9000	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 8000	89.0	89.1	89.1	89.1	89.1	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 7000	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.1
≥ 6000	93.4	93.5	93.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 5000	94.9	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.2
≥ 4500	95.7	95.9	95.9	95.9	95.9	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 4000	96.2	96.5	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 3500	96.0	96.9	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.1
≥ 3000	97.0	97.3	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 2500	97.3	97.6	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.9	97.9
≥ 2000	97.6	98.0	98.1	98.2	98.2	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.4
≥ 1800	97.7	98.1	98.2	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 1600	97.8	98.3	98.4	98.5	98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7
≥ 1400	97.9	98.6	98.6	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.9	98.9
≥ 1200	98.0	98.6	98.7	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1
≥ 1000	98.1	98.6	98.8	98.9	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.2
≥ 900	98.1	98.7	98.9	99.0	99.0	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3
≥ 800	98.2	98.8	98.9	99.1	99.1	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 700	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5
≥ 600	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 500	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 400	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 300	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 200	98.2	98.8	99.0	99.1	99.2	99.2	99.3	99.4	99.4	99.5	99.5	99.6	99.6	99.6	99.6	99.6
≥ 100	98.2	98.9	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.7	99.8	99.8
≥ 0	98.2	98.9	99.0	99.2	99.3	99.3	99.4	99.5	99.5	99.5	99.6	99.7	99.7	99.8	99.8	99.9

TOTAL NUMBER OF OBSERVATIONS 87626



TOTAL SKY COVER

FOR THE PERIOD OF RECORD 1971 AND LATER THE AIRWAYS  
SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED  
WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

NOTE: PERCENTAGES IN OTHER TENTHS CLASSES SHOULD BE DISREGARDED  
BECAUSE THEY ARE NOT STATISTICALLY SIGNIFICANT.



## SKY COVER

JAN

MONIN

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
JAN	30-02	43.8			16.9					12.2	27.2	4.3	930	
	03-05	43.1	.5		16.9	.3	.2	.4		.9	8.8	28.8	4.3	930
	06-08	35.8			18.6					18.2	27.4	4.9	930	
	09-11	31.2	1.3		16.1	.8	.8	.3		1.4	19.4	28.8	5.3	930
	12-14	27.7			18.9					22.3	31.1	5.7	928	
	15-17	27.4	.6		17.6	.4	.1	.3		1.7	20.3	31.4	5.7	930
	18-20	37.3			18.0					18.8	25.9	4.8	930	
	21-23	41.9	.4		16.7	.6	.2	.9		1.4	12.6	25.3	4.4	930
TOTALS		36.6	.4		17.5	.3	.2	.2		.7	16.6	28.2	4.9	7438



### SKY COVER

68-70, 73-79

555

STATION

STATION NAME

PERIOD

— МОН'Н

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS
		0	1	2	3	4	5	6	7	8	9		
FEB	00-02	45.7			13.8					16.1	24.3	4.3	846
	03-05	43.7	.8		14.1	.4	.2	.7		1.7	12.9	4.3	846
	06-08	36.1			19.4					.1	19.0	4.8	844
	09-11	31.8	1.3		16.9	.5	.5	.4		2.7	19.4	5.2	846
	12-14	26.1			22.7						21.9	5.5	846
	15-17	25.8	1.3		19.1	.9	.1	.6		1.8	22.6	5.6	845
	18-20	35.8			18.1						20.0	5.0	846
	21-23	41.1	.7		14.5	.6	.8	.9		1.9	13.8	4.5	846
TOTALS		35.8	.5		17.3	.3	.2	.3		1.0	18.2	4.9	6765



## SKY COVER

68-70, 73-79

168

STATION

STATION NAME

PERIOD

**MON:K**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAR	00-02	43.8			13.4						15.9	26.9	4.5	930
	03-05	42.0	.2		14.9	.5	.3	.5		1.2	11.8	28.4	4.5	930
	06-08	35.6			18.0						20.8	25.4	4.9	929
	09-11	28.0	.6		19.4	.5	.4	1.4		2.5	23.1	24.1	5.4	930
	12-14	22.5			18.0						32.6	27.0	6.2	930
	15-17	19.5	.8		19.9	1.5	.3	.9		2.7	29.5	25.6	6.1	929
	18-20	29.7			21.6						24.9	23.8	5.3	928
	21-23	41.5	.5		17.5	.6	.3	.5		2.3	14.2	22.5	4.3	930
	TOTALS	32.9	.3		17.8	.4	.2	.4		1.1	21.6	25.4	5.2	7436



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

# SKY COVER

23004 KIRTLAND AFB NM

68-70,73-79

APR

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
APR	00-02	52.0			19.8						13.2	15.0	3.3	900
	03-05	48.6	1.2		18.1	.9	.4	.3		1.8	13.2	15.4	3.5	900
	06-08	44.1			19.0						20.8	16.1	4.1	900
	09-11	41.9	.9		20.1	.9	.2	.6		2.3	17.4	15.7	4.0	900
	12-14	30.8			28.1						24.9	16.2	5.7	900
	15-17	22.7	.9		25.4	1.3	.8	.6		2.8	25.1	20.4	5.4	897
	18-20	31.6			27.2						21.9	19.3	4.7	900
	21-23	47.9	.7		21.0	.7	.7	.4		1.3	12.0	15.3	3.4	900
	TOTALS	40.0	.5		22.3	.5	.3	.2		1.0	18.6	16.7	4.1	7197



2

23004 KIRTLAND AFB NM

68-70, 73-79

MAY

STATION

STATION NAME

PERIOD

**MONITORING**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
MAY	00-02	49.9			20.1						16.8	13.2	3.4	930
	03-05	51.9	1.1		16.6	1.2	.5	.9		1.2	11.4	13.2	3.1	930
	06-08	50.3			19.1						16.5	14.2	3.5	929
	09-11	46.0	1.4		18.8	.4	.3	.3		1.5	14.6	14.6	3.5	930
	12-14	32.4			25.0						25.5	16.0	4.7	929
	15-17	23.4	1.1		26.1	1.4	1.0	.4		2.3	23.9	20.4	5.3	930
	18-20	27.3			25.0						25.7	21.0	5.2	930
	21-23	41.9	.6		20.1	.5	.6	1.0		1.4	15.4	18.4	4.1	930
TOTALS		40.6	.5		21.9	.4	.3	.3		.8	18.7	16.4	4.1	7438



### SKY COVER

JUL:

**MONIN**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.
		0	1	2	3	4	5	6	7	8	9		
JUN	00-02	51.7			24.1					15.6	6.7	3.0	900
	03-05	59.0	2.7		16.8	.6	.7	.3		1.4	11.4	7.1	900
	06-08	59.8			19.2					14.2	6.8	2.5	900
	09-11	59.2	2.1		19.2	.7	.4	.4		1.2	8.6	8.1	900
	12-14	35.1			38.0					18.4	8.4	3.6	900
	15-17	19.5	1.2		31.7	.8	1.1	1.8		3.4	27.7	12.8	899
	18-20	24.6			30.6					29.2	15.7	5.1	900
	21-23	44.0	1.4		22.3	.7	.4	1.2		2.9	17.9	9.1	900
TOTALS		44.1	.9		25.2	.4	.3	.5		1.1	17.9	9.6	7199



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## SKY COVER

27004 KIRTLAND AFB NM

68-70,73-79

JUL

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JUL	00-02	22.0			29.5						27.8	20.6	5.5	930
	03-05	30.4	1.9		25.8	1.0	.8	1.4		3.3	22.3	13.1	4.5	930
	06-08	32.4			30.4						25.8	11.4	4.4	930
	09-11	40.0	3.1		27.1	1.1	.8	1.1		2.2	17.6	7.1	3.5	930
	12-14	17.2			51.7						25.3	5.8	4.4	930
	15-17	5.3	1.4		28.1	1.1	1.6	1.3		3.7	41.6	16.0	6.7	930
	18-20	7.4			21.8						38.5	32.3	7.3	930
	21-23	15.7	2.2		23.2	.8	1.8	.9		3.1	25.2	27.2	6.1	930



## SKY COVER

23.04 AIRTLAND AFB NM.

68-70; 73-79

AUG

STATION

STATION NAME

PERIOD

**MONTH**

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
AUG	00-02	31.8			22.6					24.2	21.4	5.0	930	
	03-05	38.3	1.4		20.0	1.0	1.1	.8		3.0	19.2	15.3	4.3	930
	06-08	38.3			25.6					23.4	12.7	4.1	930	
	09-11	43.2	3.3		21.9	.9	.5	.9		2.0	17.3	9.9	3.5	930
	12-14	23.9			47.4					20.0	8.7	4.1	930	
	15-17	11.2	2.0		33.6	.9	1.0	1.0		4.3	32.2	13.9	5.8	929
	18-20	15.7			27.6					29.0	27.6	6.2	927	
	21-23	25.4	.6		21.4	1.2	.6	.6		2.7	23.0	24.4	5.5	926
TOTALS		28.5	.9		27.5	.5	.4	.4		1.5	23.5	16.7	4.8	7432



DATA PROCESSING BRANCH  
ETAC/USAF  
AF WEATHER SERVICE/MAC

## SKY COVER

27004 KIRTLAND AFB NM

67-70,73-76

SEP

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
SEP	00-02	49.8			21.5						15.2	13.5	3.4	899
	03-05	51.4	.7		19.6	.6	1.0	.4		1.2	12.1	12.9	3.2	898
	06-08	48.2			18.9						18.3	14.6	3.7	900
	09-11	50.7	1.1		16.4	.7	.6	.2		1.9	15.2	13.2	3.4	900
	12-14	37.4			30.1						19.4	13.0	4.0	900
	15-17	28.8	2.0		28.3	.7	.8	.9		2.2	21.0	15.3	4.6	900
	18-20	39.4			23.1						21.8	15.7	4.2	900
	21-23	46.3	1.0		20.8	.7	.6	1.0		1.4	14.7	13.6	3.5	900
	TOTALS	44.0	.6		22.3	.3	.4	.3		.8	17.2	14.0	3.8	7197



## SKY COVER

67-70, 73-78

CCY

## STATION

**VISION NAME**

**File**

0094

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS ASTI	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
001	00-02	62.1			15.5						9.7	12.7	2.6	929
	03-05	59.3	.4		15.8	.9	.2	.3		1.3	9.1	12.6	2.7	929
	06-08	52.2			17.7						15.9	14.2	3.4	929
	09-11	52.3	.6		15.6	.8	.2	.5		1.6	15.5	12.9	3.4	930
	12-14	48.5			17.1						20.6	13.6	3.7	930
	15-17	43.5	1.3		17.4	.4	.3	.6		1.5	20.0	14.8	4.0	930
	18-20	49.8			17.3						15.8	17.1	3.7	930
	21-23	55.2	.5		15.6	.3	.2	.4		1.2	12.6	14.0	3.1	930
	TOTALS	52.9	.4		16.5	.3	.1	.2		.7	14.9	14.0	3.3	7437



## SKY COVER

23064 KIRTLAND AFB NM

67-70, 73-78

NOV

STATION

STATION NAME

PRICE

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
NOV	00-02	59.7			15.2						8.4	16.7	2.9	400
	03-05	56.6	.6		16.7	.7	.4	.3		.9	9.8	14.0	2.	399
	06-08	45.7			20.8	.1					15.3	17.1	3.7	898
	09-11	39.6	1.3		19.8	.3	1.0	.8		1.4	16.7	18.9	4.2	896
	12-14	35.4			22.4						24.7	17.4	4.6	900
	15-17	38.8	1.0		18.1	.1	.3	.6		1.6	18.4	21.1	4.5	900
	18-20	50.3			18.0						13.4	18.2	3.6	900
	21-23	59.7	1.2		12.4	.3	.2	.4		.8	8.0	16.7	2.9	900
		</												







2

DATA PROCESSING BRANCH  
ETAC/USAF  
AFD WEATHER SERVICE/MAC

## SKY COVER

23004 KIRTLAND AFB NM

67-70, 73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
JAN	ALL	36.0	.4		17.5	.3	.2	.2		.7	16.6	28.2	4.9	7438
FEB		35.8	.5		17.3	.3	.2	.3		1.0	18.2	26.3	4.9	6765
MAR		32.9	.3		17.8	.4	.2	.4		1.1	21.6	25.4	5.2	7436
APR		40.0	.5		22.3	.5	.3	.2		1.0	18.6	16.7	4.1	7197
MAY		40.6	.5		21.9	.4	.3	.3		.8	18.7	16.4	4.1	7438
JUN		44.1	.9		25.2	.4	.3	.5		1.1	17.9	9.6	3.5	7199
JUL		21.3	1.1		29.7	.5	.6	.6		1.5	28.0	16.7	5.3	7440
AUG		28.5	.9		27.5	.5	.4	.4		1.5	23.5	16.7	4.8	7432
SEP		44.0	.6		22.3	.3	.4	.3		.8	17.2	14.0	3.8	7197
OCT		52.9	.4		14.5	.3	.1	.2		.7	14.9	14.0	3.3	7437
NOV		48.4	.5		17.9	.2	.2	.3		.6	14.3	17.5	3.7	7195
DEC		42.9	.4		17.5	.3	.3	.2		.7	15.0	22.7	4.2	7429
TOTALS		39.0	.6		21.1	.4	.3	.3		1.0	18.7	18.7	4.3	67603



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared;

- a. Extreme maximum temperature
  - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding  $\pm 1^\circ$  from directly converted values but excludes no Fahrenheit values.

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse



3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to the right and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



# DAILY TEMPERATURES

STATION  
PORTLAND APP NV

47-79

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

AX:100

TEMP. °F.	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1													
2						4.1	5.7	.1					.9
3					.6	25.7	34.8	15.1	1.5				8.5
4					3.7	62.9	74.7	55.9	16.8				15.2
5						30.8	81.6	93.3	85.8	45.8	2.3		29.5
6			.1	1.6	58.2	92.7	98.5	96.7	76.6	19.1			38.3
7			.9	14.3	76.0	93.0	99.9	99.3	89.1	42.4	.2		46.1
8		2.5	13.6	62.3	35.7	99.7		99.7	94.7	66.4	6.8	.1	53.5
9	1.5	11.1	37.9	76.4	94.6	100.0	100.0	100.0	98.1	80.3	23.8	.7	52.5
10	8.4	27.8	57.2	88.0	95.4				99.7	90.5	43.8	7.2	62.6
11	19.6	46.5	73.2	94.6	99.5				99.8	95.8	64.7	21.7	76.4
12	41.9	64.1	84.5	96.5	99.8				99.9	98.6	89.0	43.7	84.3
13	62.7	77.9	92.3	99.4	99.9					99.5	97.0	63.6	90.4
14	79.0	90.3	97.5	99.8	100.0				100.0	99.3	96.2	51.1	95.3
15	89.3	96.0	99.3	100.0						100.0	98.6	92.3	97.9
16	95.6	98.4	99.9								99.7	98.3	99.3
17	97.7	99.7	100.0								99.9	99.8	99.8
18	98.9	99.8										100.0	99.9
19	99.3	100.0									100.0		99.9
20	99.8												100.0
21	100.0												100.0
22													
23													
24													
25													
26													
27													
28													
29													
30													
31													
MEAN	46.6	52.6	58.3	70.5	79.6	90.1	92.3	89.5	83.0	71.7	57.1	47.4	70.1
S.D.	9.712	9.921	9.957	8.727	8.014	6.376	5.136	4.923	7.024	8.663	9.115	8.580	16.210
TOTAL OBS.	968	895	981	924	982	950	969	981	950	982	950	982	11514



# DAILY TEMPERATURES

STATION NAME  
STATION

47-79

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
7						.1	.6						.4
8						4.2	12.0	3.4					1.6
9					1.0	20.4	55.1	34.1	4.6				2.7
10				.1	5.8	45.7	95.0	85.7	30.1	.3			27.3
11			.1	1.8	25.1	80.5	99.8	99.1	65.4	6.0			31.7
12			1.1	10.0	53.3	94.7	100.0	100.0	88.4	23.6			39.5
13	.2	.2	4.7	29.3	80.9	99.4			47.4	88.4	1.9	.4	47.2
14	1.2	4.1	16.4	57.3	91.4	100.0			99.4	74.8	10.5	1.3	55.0
15	5.5	14.1	37.3	79.3	98.4				100.0	92.4	33.9	7.0	54.2
16	11.3	21.5	46.2	87.1	99.4					95.9	46.3	11.2	57.6
17	20.1	36.4	66.1	95.0	99.6					97.9	63.3	14.9	75.0
18	45.3	64.1	84.7	99.0	100.0					100.0	85.1	46.2	85.5
19	69.0	84.2	95.7	100.0							95.8	75.5	93.3
20	84.3	94.1	99.0								98.4	91.1	97.2
21	92.7	98.5	99.8								99.6	97.5	99.0
22	97.0	99.5	100.0								99.7	99.7	99.7
23	98.9	99.7									99.8	100.0	99.9
24	99.4	100.0											99.9
25	99.7										100.0		100.0
26	99.9												100.0
27	100.0												100.0
28													
29													
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99													
100													
MEAN	22.7	26.7	32.2	40.5	49.8	59.5	67.0	63.1	56.1	44.2	31.4	23.9	42.9
S.D.	5.629	7.510	7.467	6.787	6.715	5.892	3.601	3.502	5.561	6.867	6.976	7.107	15.331
TOTAL OBS.	968	895	981	924	982	950	969	981	950	977	950	982	11514



# DAILY TEMPERATURES

STATION  
STATION NAME

47-76

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
75					.3	21.1	43.1	21.4	1.5				7.3
70					5.7	56.5	87.3	75.6	19.7				37.1
65			.1	.9	26.3	81.6	98.8	96.0	53.4	2.0			37.4
60			.3	9.1	56.5	95.7	99.8	99.7	83.4	19.5			38.9
55			4.0	33.3	79.1	99.6	100.0	100.0	95.3	45.7	.1		45.7
50	.2	.6	14.6	59.8	97.3	100.0			99.1	71.0	5.2	.1	53.9
45	1.8	10.5	36.0	75.9	98.0				99.7	88.6	27.3	1.9	62.2
40	10.3	28.8	60.4	92.7	99.6				99.9	95.9	88.1	18.7	71.3
35	30.2	55.1	81.2	96.3	99.9				100.0	99.4	99.4	30.7	81.0
30	56.9	75.3	91.9	99.7	100.0					99.8	99.6	59.2	89.5
25	77.5	90.2	97.9	100.0						100.0	96.5	81.9	95.4
20	88.2	96.3	99.7								98.6	93.6	98.0
15	94.8	99.0	100.0								99.7	98.4	99.3
10	96.0	99.6									99.8	99.8	99.8
5	99.0	99.9									99.9	100.0	99.9
0	99.7	100.0									100.0		100.0
-5	100.0												100.0
MEAN	54.6	59.8	46.4	55.6	64.9	74.9	78.8	76.5	69.8	58.1	44.4	35.8	50.7
S.D.	8.536	7.877	7.883	6.994	6.751	5.621	3.863	3.692	5.582	6.997	7.326	7.090	16.932
TOTAL OBS	960	895	981	924	982	950	969	981	950	982	950	982	11514



# EXTREME VALUES

MAXIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION NAME AIRLAND AFB NM

47-79

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
47										95	87	73	59
48	62	66	73	86	92	97	100	96	98	92	71	63	100
49	53	66	74*	73	83	96	96	94	94	84	74	61	99
50	67	70	77	55	92	98	97	95	94	87	74	64	99
51	63	68	71	81	98	101	102	98	95	83	70	62	102
52	67	62	70	61	90	98	100	98	96	85	74	56	100
53	68	66	77	82	94	100	102	97	93	84	71	62	102
54	63	70	77	86	90	100	100	98	92	86	70	65	100
55	54	62	73	83	87	98	99	94	94	83	74	64	99
56	61	66	77	84	97	100	100	99	95	87	69	61	100
57	63	72	70	79	89	101	104	95	92	85	62	59	104
58	61	68	70	84	95	99	101	97	95	82	72	72	101
59	61	63	71	84	89	97	97	94	95	81	69	69	97
60	58	63	75	84	90	100	101	97	91	81	71	57	101
61	54	57	73	85	91	99	98	98	87	82	60	60	99
62	57	69	75	86	91	96	97	98	92	82	70	57	98
63	67	72	80	86	93	99	103	98	92	87	68	55	103
64	57	52	73	79	94	99	99	98	93	85	70	64	99
65	68	69	73	89	89	95	97	96	88	85	72	61	97
66	55	58	78	82	90	99	99	99	91	79	70	68	99
67	64	70	80	81	91	96	99	97	90	89	70	55	98
68	61	68	76	77	92	101	97	91	90	89	70	54	101
69	62	59	80	89	94	102	100	99	91	84	65	65	102
70	63	70	72	80	93	100	100	95	93	82	69	63	100
71	69	69	85	85	88	99	104	91	94	79	72	55	104
72	68	75	80	88	91	102	103	99	86	87	55	64	103
73	55	63	69	80	90	101	102	97	92	82	73	63	102
74	63	71	82	83	95	105*	97	95	95	80	67	60	105
75	68	66	73	81	85	98	97	97	95	83	77	63	97
76	62	71	78	81	92	97	96	95	92	61	72	54	97
MEAN													
S.D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OU)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)



SE-VAC/PAF

[illegible]

FROM DAILY OBSERVATIONS

2 4 14PTLAND AFB NM  
STATION STATION NAME

47-79

YEARS

AMOLE DECPRES FAMPENHEIT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC <sup>FORM</sup> 0-88-5 (OU)

# (AT LEAST ONE DAY LESS THAN 24 OBS)



# EXTREME VALUES

MINIMUM TEMPERATURE

FROM DAILY OBSERVATIONS

STATION: MIDLAND AFB TX STATION NAME

47-75

YEARS

WHOLE DEGREES FAHRENHEIT

MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
YEAR													
47										51	33	20	10
48	5	-1	0	30	40	49	61	59	44	34	16	16	-1
49	2	10	23*	29	45	49	61	56	52	26	29	5	
50	7	20	20	34	35	45	58	56	46	42	14	12	7
51	5	-3	13	24	35	46	63	56	46	31	19	4	
52	15	15	18	33	40	52	57	60	47	35	12	12	10
53	22	12	19	28	34	52	58	58	46	37	20	13	10
54	15	20	16	34	38	45	61	57	52	33	25	8	0
55	11	9	16	27	38	49	63	58	53	34	20	17	0
56	14	7	18	30	41	58	58	55	54	30	14	13	7
57	18	22	24	30	40	49	61	59	47	35	16	17	10
58	13	20	22	25	44	57	59	57	47	31	17	3	3
59	3	18	16	30	39	51	58	58	45	36	17	20	3
60	9	12	22	31	37	55	60	59	48	36	23	15	4
61	15	16	18	26	37	46	55	56	40	33	22	7	7
62	-6	9	11	30	34	45	56	57	47	37	25	15	-8
63	-7	10	20	31	44	44	62	59	50	40	24	11	-7
64	0	1	15	29	34	44	54	54	47	34	16	9	3
65	14	13	13	27	33	44	56	54	37	33	24	10	10
66	6	10	5	27	37	49	60	55	47	33	22	3	6
67	1	17	20	30	28	49	58	55	46	28	22	11	1
68	13	24	24	30	40	43	59	52	41	26	13	4	4
69	11	10	16	32	36	50	61	61	49	28	14	8	8
70	3	18	25	23	35	46	62	61	49	25	19	14	3
71	-17	13	10	28	34	42	57	53	37	25	21	5	-17
72	12	11	21	27	34	50	56	58	45	29	22	15	11
73	14	14	25	22	37	48	57	56	38	30	12	6	6
74	4	10	22	27	38	47*	59	45	42	31	20	3	3
75	1	5	17	22	28	44	59	53	41	25	10	13	1
76	3	16	17	24	32	46	59	57	40	26	-7	11	-7
MEAN													
S.D.													
TOTAL OBS.													

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-86-5 (CU)

\* (AT LEAST ONE DAY LESS THAN 24 OBS)



## EXTREME VALUES

1994 年 12 月 2 日

FROM SATELLITE OBSERVATIONS

STATION

20 JUL 68 152 14

STATION NAME

47-72

VFAPS

KNOWLEDGE DEGREES FANBELLETT

[illegible]

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF-ETAC FORM 0-88-5 (OLD)

\* (AT) LEAST ONE DAY LESS THAN 24 OBS)



454

PAGE 1 0000-0200  
00-00-00-00

USAFETAC FORM 0-26-5 (OLA)  
SUSAA  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

66-77, 73-75

222

51A-125

51A:128 NAM

YEARS

What?

2452 2

3333-3233

1998

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70,73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL						
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point																
50/ 49							.1											1	1																	
49/ 47					.1	.1												2	2																	
48/ 45					.3													3	3																	
44/ 43					.1	.2												3	3																	
42/ 41			.2	.1	.3	.2												9	9																	
40/ 39	.2	1.0	1.3	.5	.2	.1												31	31	12	3															
38/ 37	.2	1.2	1.6	1.1	.4													42	42	19	5															
36/ 35	.3	1.8	2.3	1.2	.5	.1												58	58	31	15															
34/ 33	.1	1.8	2.2	1.8	.2													57	57	43	25															
32/ 31	.5	3.1	4.0	1.3	.1													84	84	56	33															
30/ 29	1.6	3.3	4.9	1.0														101	101	83	41															
28/ 27	1.3	5.4	4.2	.3														104	104	114	47															
26/ 25	1.2	4.7	2.9	.3	.2													87	87	126	58															
24/ 23	.2	4.7	2.6	.1	.1													72	72	79	48															
22/ 21	.5	5.1	2.5	.3														78	78	94	97															
20/ 19	1.5	4.0	1.3	.6														69	69	82	117															
18/ 17	.8	1.8	.6	.2														32	32	61	97															
16/ 15	.2	1.7	.3	.1														22	22	29	73															
14/ 13	.4	1.8	.5															26	26	32	53															
12/ 11	.2	1.2	.1															14	14	23	60															
10/ 9	.1	1.3																13	13	14	38															
8/ 7	.8	.3																10	10	17	38															
6/ 5	.4	.5																9	9	9	19															
4/ 3		.1																1	1	2	10															
2/ 1		.2																2	2	3	21															
0/ -1																					9															
-2/ -3																					13															
-4/ -5																					2															
-6/ -7																					8															
TOTAL	10.6	45.5	31.4	9.8	1.9	.6	.1												930	930	930															
																			930		930															
Element (X)	Σx			Σx			Σx			Σx			Σx			Σx			Σx			Σx			Σx			Σx			Σx			Σx		
Rel. Hum.	5115807			67651			72.7			18.4			930			3.0 F			32 F			67 F			73 F			80 F			93 F			Total		
Dry Bulb	710108			24628			26.5			7.8			930						72.4															93		
Wet Bulb	585711			22335			24.0			7.2			930						62.4															93		
Dew Point	38746			17133			18.4			8.7			930			3.2			68.2															93		

FORM 0-20-5 (O. A.) REPRODUCED BY THE U.S. GOVERNMENT

USAFETAC



## PSYCHROMETRIC SUMMARY

23304

KIRTLAND AFB NM

68-70, 73-79

JAN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0600-0800

HOURS (L, S - T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23504

KIRTLAND AFB NM

65-70, 73-79

JAN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
56/ 55						.1	.1											2	2					
54/ 53					.1			.2	.2									5	5					
52/ 51					.1	.2	.2	.1										6	6					
50/ 49				.1	.2	.6	.2		.1									12	12					
48/ 47			.1	.1	.6	.5	.8	.1										21	21					
46/ 45			.2	.6	.9	1.3	.4											32	32	3				
44/ 43	.1	.3	.5	1.3	1.9	.9												46	46	7				
42/ 41	.1	.8	.6	1.8	1.6	.8												53	53	16				
40/ 39		.5	.9	2.3	2.3	.6												67	67	36				
38/ 37	.8	.9	1.3	2.9	1.7	.6												76	76	49				
36/ 35	.2	1.4	2.7	3.2	1.8	.3												90	90	70				
34/ 33	.1	1.4	2.2	4.5	1.2	.4												94	94	88				
32/ 31	1.1	1.7	3.2	2.8	1.2	.1												94	94	102				
30/ 29	.4	1.8	3.1	3.3	.5													86	86	113				
28/ 27	.8	1.0	2.4	1.9	.2													58	58	111				
26/ 25	.1	1.2	2.5	1.4	.2													50	50	84				
24/ 23	.1	1.1	2.2	.8														37	39	69				
22/ 21	.3	.8	1.6	.9														33	33	50				
20/ 19	.5	1.1	1.0	.2														26	26	48				
18/ 17	.1	.5	.6	.1														13	13	33				
16/ 15	.2	.4	.2	.1														9	9	20				
14/ 13		.2	.4															6	6	10				
12/ 11	.1	.4	.1															6	6	12				
10/ 9	.1	.2																3	3	3				
8/ 7	.1																	1	1	4				
6/ 5	.2																	2	2	2				
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
-4/ -5																								
-6/ -7																								
TOTAL	5.5	15.7	25.8	28.8	14.8	6.6	2.0	.4	.3									930	930	930				
Element (X)	2x <sub>1</sub>		2x <sub>2</sub>		x		x <sub>2</sub>		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3650879		36013		60.2		17.269		930		≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb	1088230		30848		33.2		8.365		930				42.6										93	
Wet Bulb	795832		26910		28.4		7.025		930				66.1										93	
Dew Point	441064		18478		19.9		8.921		930				1.3		86.2								93	



## PSYCHROMETRIC SUMMARY

23004 KIRTLAND AFB NM

68-70, 73-79

JAN

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

1542

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

66-70, 73-79

**JAN**

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1500-1700

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
67/ 67													.1					1	1					
66/ 65													.1	.1				2	2					
64/ 63												.2						2	2					
62/ 61								.1	.1	.9	.3							13	13					
60/ 59									.9	1.0	.2	.1						20	20					
58/ 57							.1	.6	1.2	.2	.1							21	21					
56/ 55						.1	.2	2.2	1.1	.2								35	35					
54/ 53				.1		.4	1.2	2.2	1.0									45	45					
52/ 51			.1	.1	.3	.5	2.2	3.8	1.1									75	75					
50/ 49			.1	.1	1.1	1.2	2.2	2.7	.6	.1								75	75					
48/ 47			.2	.2	.6	2.0	4.2	1.5	.5									87	87	4				
46/ 45			.5	.1	1.2	1.5	2.7	1.8	.3									76	76	7				
44/ 43			.4	.9	2.4	3.0	1.0	.3										76	76	51				
42/ 41			.9	1.2	1.2	2.5	1.6											68	68	78				
40/ 39		.1	.1	.9	2.9	2.0	.3	.9										69	69	84				
38/ 37		.2	.1	.9	2.0	2.0	.4											53	53	121				
36/ 35	.1	.2	.9	1.3	1.5	1.4	.2											52	52	129				
34/ 33	.3	.5	.3	1.0	1.1	.5	.2											38	38	82				
32/ 31	.1	.4	.5	.9	1.2	.6												35	35	110				
30/ 29	.6	.3	.2	1.0	.9	.5												33	33	80				
28/ 27		.4	.6	.9	.3													22	22	55				
26/ 25			.3	.1	.3													7	7	43				
24/ 23		.1	.4	.2	.4													11	11	29				
22/ 21		.2	.1	.1														4	4	26				
20/ 19		.3																3	3	14				
18/ 17	.1																	1	1	6				
16/ 15	.2	.2																4	4	9				
14/ 13	.1	.1																2	2	3				
12/ 11																				1				
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
Element (X)	Σ X <sup>2</sup>		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

27J04

KIRTLAND AFB NM

68-70, 73-79

JAN

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1500-1700

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
0/-1																						17										
-2/-3																						13										
-4/-5																						12										
-6/-7																						2										
TOTAL	1.5	3.2	6.0	9.8	17.6	18.6	16.7	16.0	6.8	2.4	.9	.2	.2					930	930	930	930											



## PSYCHROMETRIC SUMMARY

23004

AIRTLAND AFB NM

68-70, 73-79

484

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

1220-2060

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

JAN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-10/-11																					2			
-12/-13																					1			
TOTAL	2.9	9.9	17.4	27.2	22.4	11.4	6.0	1.9	.6		.1							929	929	929	929			



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

23304

KIRTLAND AFB NM

68-7G, 73-79

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
52/ 51					.2	.3	.2		.2												2	2		
53/ 49					.2	.3	.2		.1												8	8		
48/ 47			.4	.1	.2	.1	.2		.2												9	9		
46/ 45			.4	.2	.5	.5	.1														16	16	1	
44/ 43		.4	.1	.2	.4	.4															15	15	6	
42/ 41	.1	.6	.5	.8	1.0	.5															33	33	13	3
40/ 39	.1	.9	1.3	1.7	2.3	.6															69	69	17	13
38/ 37		1.4	2.3	2.6	2.8	.4															88	88	26	4
36/ 35	.5	1.7	2.6	3.5	2.6	.4	.1														107	107	54	20
34/ 33	.1	.9	2.4	3.6	.9																74	74	84	19
32/ 31	.4	2.5	4.0	4.5	.8																113	113	87	29
30/ 29	1.0	1.5	5.1	2.6	.1	.3															100	100	124	61
28/ 27	.1	2.8	4.1	2.9	.2	.1															95	95	114	35
26/ 25	.1	1.3	2.9	.5	.6																51	51	122	72
24/ 23	.1	.9	1.8	.5	.3																34	34	80	49
22/ 21	.4	1.4	1.4	.2																	32	32	61	89
20/ 19		1.0	1.3	1.1																	31	31	41	110
18/ 17		1.1	.8	.2																	19	19	34	61
16/ 15	.2	.5	.8																		14	14	25	87
14/ 13	.1	.2	.2																		5	5	15	61
12/ 11	.3	.5																			8	8	14	49
10/ 9	.4	.1																			5	5	17	41
8/ 7	.1																				1	1	1	36
6/ 5																								11
4/ 3																								4
2/ 1	.1																				1	1	1	11
0/ -1																								17
-2/ -3																								15
-4/ -5																								4
-6/ -7																								5
-8/ -9																								1
-10/ -11																								2
-12/ -13																								1
Element (K)	Σx <sup>2</sup>		Σx		Σy		Σz		Σw		Σv		Σu		Σt		Σs		Σr		Σq		Σp	
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								

0-26-5 (OL A) - INKED WITHOUT ERRORS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

2309

KIRTLAND AFB NM

66-70, 73-79

**Figure 1**

STATION

STATION NAME

YEARS

## MORNING

PAGE 2

2100-2300

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (P)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
TOTAL	4.3	19.7	32.6	25.9	13.0	3.9	.4	.3										930	930	930	930	



## PSYCHROMETRIC SUMMARY

23034

WIRTLAND AFB NM

68-70, 73-79

JAN

STATE:26

STATION NAME

**Results**

## 摘要

PAGE 1

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NEWS IL. S. T. T.

[illegible]



## PSYCHROMETRIC SUMMARY

23C04

KIRTLAND AFB NM

66-70, 73-79

JAN

STATION

STATION NAME

**YEARS**

**MONET**

PAGE 2

ALL

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
37 -1		.0																1	1	1	93	
32 -3	.0																	1	1	1	93	
27 -5																					49	
22 -7																					33	
17 -9																					8	
12 -11																					6	
7 -13																					3	
2 -15																					1	
TOTAL	6.0	23.0	22.7	17.5	12.0	8.0	5.4	3.4	1.3	.5	.1	.0	.0					7439	7439	7439	7439	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70,73-79

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
54/ 53																		1	1							
52/ 51							.1		.1									2	2							
50/ 49				.1	.1	.1	.7	.2										11	11							
48/ 47		.1	.2	.1	.5	1.1	.7	.1										24	24							
46/ 45		.4		.2	.2	1.7	1.1	.1										31	31	2	1					
44/ 43				.5	1.7	.8	.5	.4										32	32	5	3					
42/ 41		.7	.4	.9	.8	1.9	.9											44	44	5	2					
40/ 39	.1	.6	.6	.9	1.2	1.5	.2											44	44	18	2					
38/ 37	.4	.9	2.6	1.9	3.1	1.2	.1											66	86	39	9					
36/ 35	.8	1.7	2.6	2.7	3.0	.6												96	96	67	17					
34/ 33	.8	3.0	3.5	3.4	2.5	.6												115	115	78	19					
32/ 31	.1	4.1	4.8	3.8	1.3													120	120	103	24					
30/ 29	.2	.9	3.1	3.0	1.1	.1												71	71	140	46					
28/ 27	.7	2.4	2.9	1.7	.4													60	60	109	72					
26/ 25	.8	2.1	2.4	1.1														54	54	119	68					
24/ 23	.2	.8	.8	.7														22	22	75	64					
22/ 21	.2	.6	1.4															19	19	38	63					
20/ 19	.2	.6	.1															8	8	29	102					
18/ 17	.1	.1	.4															5	5	17	78					
16/ 15			.1															1	1	2	74					
14/ 13																				3	47					
12/ 11																				1	43					
10/ 9																					43					
8/ 7																					18					
6/ 5																					21					
4/ 3																					11					
2/ 1																					8					
0/ -1																					2					
-2/ -3																					4					
TOTAL	4.4	19.0	25.1	21.0	15.7	9.6	3.9	.8	.1	.1									846		846					
																			846		846					
Element (X)	Σx²		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx		Σx	
Rel. Hum.	3309112		50432		59.6		18.928		846		Σ 0 F		Σ 32 F		Σ 67 F		Σ 73 F		Σ 80 F		Σ 93 F		Total			
Dry Bulb	1015189		28765		34.1		6.630		846				35.7										84			
Wet Bulb	736356		24548		29.0		5.336		846				62.8										84			
Dew Point	398510		17018		20.1		8.158		846		Σ 6		78.7										84			

0-26-5 (OL A) - Revised previous editions of this form are obsolete.

USAFETAC



## PSYCHROMETRIC SUMMARY

23304

KIRTLAND AFB NM

68-70, 73-79

FEB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0300-0500

**HOURS (L, S, T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
50/ 49																		6	6													
48/ 47						.1	.1	.1										3	3													
46/ 45		.4	.2	.1	.6	.9	.2											21	21	3												
44/ 43		.4	.1	.7	.9	.6	.2											24	24	2	4											
42/ 41	.1	.4	.1	.7	1.3	.7	.4											31	31	5	1											
40/ 39	.2	.2	.4	1.3	.9	.5												30	30	10	6											
38/ 37	.4	1.2	1.5	1.7	1.3	.5												55	55	29	6											
36/ 35	1.3	1.1	2.5	2.6	2.7	.2	.2											90	90	53	21											
34/ 33	.4	3.5	3.0	2.7	1.6													96	96	60	11											
32/ 31		4.1	6.0	4.1	1.6	.1												137	137	81	18											
30/ 29	.9	4.4	4.5	2.0	.5													103	103	121	40											
28/ 27	1.2	4.0	2.7	1.9														83	83	143	72											
26/ 25	.1	2.8	3.0	1.4														62	62	120	89											
24/ 23	.7	1.7	2.2	1.1														48	48	85	39											
22/ 21	.5	1.3	.7	.2														23	23	56	89											
20/ 19	.4	1.1	.9															20	20	41	109											
18/ 17	.2		.6															7	7	23	82											
16/ 15	.1	.6																6	6	9	62											
14/ 13		.1																1	1	8	56											
12/ 11																				1	46											
10/ 9																					31											
8/ 7																					26											
6/ 5																					20											
4/ 3																					7											
2/ 1																					8											
0/ -1																					2											
-2/ -3																					1											
TOTAL	6.4	27.2	28.5	20.6	11.8	3.7	1.2	.7											846		846											
																			846		846											
Element (X)	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	2x	Mean No. of Hours with Temperature														
Rel. Hum.	3802429	54691	64617	771	846	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	884576	26818	31.7	6.385	846		48.7					84																				
Wet Bulb	675454	23556	27.7	5.452	846		68.3					84																				
Dew Point	396617	17071	20.2	7.856	846		79.1					84																				



## PSYCHROMETRIC SUMMARY

23204

KIRTLAND AFB NM

68-70, 73-79

FEB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0600-0800

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2304

KIRTLAND AFB NM

'68-70, 73-79

FFS

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point												
54/ 53									.1									1	1													
60/ 59										.4	.4							6	6													
58/ 57										.1	.1							2	2													
56/ 55							.1	.2	.5	.2	.4	.1						13	13													
54/ 53							.1	.4	.9	.6	.1							18	18													
52/ 51							.8	1.5	.7	.6	.2							33	33													
53/ 49						.4	1.2	1.3	1.5	.4	.1							41	41	1												
46/ 47			.1	.5	.8	1.4	2.1	.1	.1									44	44													
46/ 45		.1	.4	1.1	1.9	2.2	2.0	.7	.1									72	72	1												
44/ 43		.2	.7	1.1	2.5	2.2	.8	.4										70	70	9												
42/ 41	.2	.8	.5	2.1	2.2	3.0	.8											82	82	43												
48/ 39	.2	1.4	.9	2.5	3.0	1.8	.5											87	87	67												
38/ 37	.2	.7	2.0	3.1	2.4	1.2	.1											82	82	68												
36/ 35	.2	1.2	2.7	2.4	1.4	1.1	.2											78	78	116												
34/ 33		1.9	1.8	2.5	1.3	.4	.1											67	67	116												
32/ 31	.4	1.7	1.9	1.2	1.3	.1												55	55	124												
30/ 29	.2	1.2	1.4	1.9	.9													48	48	90												
28/ 27	.1	.6	.5	.2	.1													13	13	70												
26/ 25	.6	.2	.8	.5														18	18	53												
24/ 23	.2		.5	.2														8	8	37												
22/ 21		.4	.6															8	8	15												
20/ 19																				9												
18/ 17																				5												
16/ 15																																
14/ 13																																
12/ 11																																
10/ 9																																
8/ 7																																
6/ 5																																
4/ 3																																
2/ 1																																
0/ -1																																
-2/ -3																																
-4/ -5																																
Element (X)	Σ X'	Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X		Σ X												
Rel. Hum.																					≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total					
Dry Bulb																																
Wet Bulb																																
Dew Point																																



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-72, 73-79

FEB

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

0900-1100

NOV 21 1961  
HOURS 11-5-1-1

[illegible]



## PSYCHROMETRIC SUMMARY

23CQ4

KIRTLAND AFB NM

68-70, 73-79

ГЕБ

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

1200-1400

**HOURS (L, S, T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
70/ 69													.2					2	2																
68/ 67												.1	.1	.6				9	9																
66/ 65											.1	.1	.4	.5	.2			11	11																
64/ 63									.4	.1	1.1	.4	.2					18	18																
62/ 61								.1	.6	1.3	1.1	.4	.2					31	31																
60/ 59							.6	2.0	2.1	.8	.6							52	52																
58/ 57						.2	.7	2.1	1.9	.4	.1							46	46																
56/ 55					.1	.7	2.6	2.5	1.3	.1								62	62																
54/ 53					.8	1.2	2.5	2.6	.6	.1								66	66																
52/ 51				.1	.7	2.2	2.2	1.8										60	60																
50/ 49			.1	.9	1.9	3.4	2.6	.8	.1									84	84	2															
48/ 47		.1	.5	.5	.6	1.8	3.1	1.1	.5									68	68	6															
46/ 45			.6	.6	1.3	2.1	2.2	1.5	.2									73	73	28															
44/ 43		.4	.4	.4	1.1	1.8	1.4	.7										51	51	76															
42/ 41		.1	.7	2.0	1.3	1.4	.5											51	51	123															
40/ 39		.4	.5	.7	1.1	.9	.8	.2										40	40	137															
38/ 37		.1	.9	.6	.6	1.3	.5											36	36	107															
36/ 35		1.4	.6	.4	.5	.4												27	27	109															
34/ 33		1.2	.5	.5	.1													19	19	83															
32/ 31	.2	.7	.7	.4	.1													18	18	61															
30/ 29		.2	.5	.2														8	8	54															
28/ 27	.1	.4	.2	.4														9	9	33															
26/ 25	.2		.4															5	5	18															
24/ 23																				6															
22/ 21																				3															
20/ 19																																			
18/ 17																																			
16/ 15																																			
14/ 13																																			
12/ 11																																			
10/ 9																																			
8/ 7																																			
6/ 5																																			
4/ 3																																			
Element (X)	Z <sub>X</sub> <sup>1</sup>			Z <sub>X</sub> <sup>2</sup>		Z <sub>X</sub> <sup>3</sup>		Z <sub>X</sub> <sup>4</sup>		No. Obs.		Mean No. of Hours with Temperature																							
Rel. Hum.												≤ 6 F.	≤ 32 F.	≥ 67 F.	≥ 73 F.	≥ 80 F.	≥ 93 F.	Total																	
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

FEB

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

133

**YEARS**

**MONTH**

1500-1700

**HOURS (L. S. T.)**

[illegible]



## PSYCHROMETRIC SUMMARY

23904

KIRTLAND AFB NM

68-73, 73-79

FEB

STAT.2N

STATION NAME

YEARS

**MONTH**

PAGE 2

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
-7/-5																						17
-2/-1																						10
0/-1																						11
-2/-3																						8
-4/-5																						10
-6/-7																						2
-8/-9																						2
-10/-11																						2
-12/-13																						2
-18/-19																						1
-20/-21																						1
TOTAL	.5	2.2	5.8	4.6	5.6	9.5	13.1	15.4	16.3	10.2	6.7	5.1	2.6	2.2	.1				845			845
																			845			845



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

FFB

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1600-2000

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
64/ 63										.1	.1	.2	.4					3	3																
62/ 61												.2	.5					6	6																
60/ 59							.1	.2	.1	.5	.4	.5						15	15																
58/ 57								.1	.4	1.2	.6							19	19																
56/ 55						.2	.4	.6	1.7	.9	.4							35	35																
54/ 53					.2	.4	.8	.9	2.2	.4	.1							43	43																
52/ 51						.2	1.5	2.4	.8	.2								44	44																
50/ 49			.4	.4	.4	.7	1.8	3.2	1.5	.1								71	71																
48/ 47			.1	.2	.7	1.9	2.0	1.4	.5	.1								59	59	3															
46/ 45			.4	.7	2.1	2.5	3.0	.6	.2									80	80	8															
44/ 43			.8	.8	1.3	2.4	1.9	.5	.2									67	67	18															
42/ 41		.6	.5	.6	2.4	2.1	1.7	.5										71	71	40															
40/ 39		.8	.8	1.9	2.1	2.5	1.1											78	78	92															
38/ 37		.6	.9	.9	1.8	1.1	.9											53	53	122															
36/ 35		1.1	2.0	2.0	1.4	1.3	.6											71	71	117															
34/ 33	.1	1.9	1.1	2.0	1.1	1.1												61	61	112															
32/ 31	.2	.4	.9	1.2	1.1	.4												35	35	122															
30/ 29		.5	.1	.2	.6													12	12	69															
28/ 27		.9	.4															11	11	62															
26/ 25	.2	.2	.1															5	5	43															
24/ 23	.1																	1	1	25															
22/ 21	.1		.2															3	3	8															
20/ 19	.1	.1																2	2	2															
18/ 17	.1																	1	1	3															
16/ 15																																			
14/ 13																																			
12/ 11																																			
10/ 9																																			
8/ 7																																			
6/ 5																																			
4/ 3																																			
2/ 1																																			
0/ -1																																			
-2/ -3																																			
Element (X)	Σ X²			Σ X			Σ X	Σ X	Σ X	No. Obs.			Mean No. of Hours with Temperature						Total																
Rel. Hum.													± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F																	
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

23994

KIRTLAND AFB NM

66-70, 73-79

**FEE**

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1830-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-4/-5																					2			
-6/-7																					4			
-8/-9																					2			
-10/-11																					1			
TOTAL	1.1	7.1	8.7	11.0	15.0	16.7	15.7	19.5	7.8	3.5	1.7	1.1						846	846	846	846			
													</											



## PSYCHROMETRIC SUMMARY

2304

AIRLAND AFB NM

65-70, 73-79

FF 9

STATION

STATION NAME

YK 424

642914

PAGE 1

2100-2300

2400 250  
HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27534

KIRTLAND AFB NM

68-70, 73-79

FEB

**STATION**

STATION NAME

VI 483

MONITOR

PAGE 2

2100-2300

[illegible]



## PSYCHROMETRIC SUMMARY

23604

KIRTLAND AFB NM

66-70, 73-79

FFB

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

ALL

ALL  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

66-70, 73-79

FEB

STATION

STATION NAME

**YEARS**

**MOMIN**

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

MLR

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0000-0290

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004

KIRTLAND AFB NM

68-70, 73-79

MAR

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0000-0200

HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23004 KIRTLAND AFB NM

66-70,73-79

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point
56/ 57									.1									1	1		
56/ 55								.1										1	1		
54/ 53							.2	.1										3	3		
52/ 51						.4	.2	.2	.3									11	11		
50/ 49				.2	.5	.4	.4	.3	.1									19	19		
48/ 47		.1	.2	.3	.1	.4	1.3	.2	.1									26	26		
46/ 45		.4	.3	.6	.3	1.9	1.2	.2										47	47		
44/ 43		.3	.5	.8	2.0	1.7	1.2	.1										62	62		
42/ 41		1.1	1.1	1.7	2.3	1.4	.8	.1										78	78	28	3
40/ 39	.1	.9	1.0	2.7	1.9	1.2	1.1											52	82	32	12
38/ 37	.5	1.7	2.4	2.5	1.7	1.2	.3											96	96	51	10
36/ 35	.3	1.0	3.1	3.0	1.2	.9												88	88	105	29
34/ 33	.9	1.7	3.2	3.4	1.9	.3												104	104	119	34
32/ 31	.9	1.9	3.9	3.4	1.4	.5												112	112	120	39
30/ 29	.5	2.6	3.0	.9	.9	.4												77	77	121	52
28/ 27		1.9	1.4	1.1	.9													49	49	128	66
26/ 25	.1	1.1	1.4	.5	.4													33	33	88	89
24/ 23		1.2	.5	.1														17	17	46	81
22/ 21		.6	.6															12	12	45	100
20/ 19		1.1	.2															12	12	29	83
18/ 17																				10	64
16/ 15																				1	68
14/ 13																					48
12/ 11																					32
10/ 9																					56
8/ 7																					16
6/ 5																					7
4/ 3																					7
2/ 1																					7
0/ -1																					12
-2/ -3																					9
-4/ -5																					3
TOTAL	3.0	17.6	22.9	21.3	15.6	10.9	6.7	1.4	.6									93	930	930	930
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		
Rel. Hum.	3504802		54138		58.2		19.507		930		± 0 F		± 32 F		± 67 F		± 73 F		± 88 F		
Dry Bulb	1293946		33398		35.9		16.882		930		± 0 F		± 32 F		± 67 F		± 73 F		± 88 F		
Wet Bulb	891169		28323		30.5		5.548		930		± 0 F		± 32 F		± 67 F		± 73 F		± 88 F		
Dew Point	488989		19685		21.2		8.323		930		± 0 F		± 32 F		± 67 F		± 73 F		± 88 F		

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

23204 KIRTLAND AFB NM

68-70, 73-79

HAR

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0600-0800

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
59/ 59									.1									1	1					
58/ 57						.1		.1	.2									4	4					
56/ 55								.1	.1									2	2					
54/ 53				.1	.2	.1	.1	.2	.2									9	9					
52/ 51					.1	.2	.5	.4										12	12					
50/ 49				.3	.1	.8	.8	.4										22	22					
48/ 47		.2	.3		.4	.6	1.5	.5										34	34	3				
46/ 45		.1	.3	1.0	1.2	1.8	.8	.3										51	51	4				
44/ 43		.4	.9	1.1	1.8	1.5	.8											60	60	12				
42/ 41		.3	1.3	1.8	3.0	1.3	.9	.1										78	78	19				
40/ 39	.2		1.8	2.0	2.5	1.3	.6											79	79	43				
38/ 37	.3	1.0	2.8	2.9	1.3	.9	.2											87	87	62				
36/ 35	.3	2.2	2.7	3.4	1.4	1.0	.1											103	103	112				
34/ 33	.4	2.3	2.2	2.9	1.5	.5												91	91	128				
32/ 31	.4	2.2	2.8	3.0	.9	.2												88	88	110				
30/ 29	.3	2.2	2.0	2.0	.6	.2												73	73	111				
28/ 27	.5	3.2	1.5	.9	.5													62	62	102				
26/ 25		1.2	1.8	.2														30	30	101				
24/ 23		1.1	.8	.1	.1													19	19	49				
22/ 21		.8	.3															10	10	41				
20/ 19		1.1		.1														11	11	19				
18/ 17		.3																3	3	11				
16/ 15																				2				
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
4/ 3																								
2/ 1																								
0/ -1																								
-2/ -3																								
-4/ -5																								
Element (X)	2X		2X		1		2		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total							
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

HAQ

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

3600-0830

**HOURS (L. S. T.)**

[illegible]



## PSYCHROMETRIC SUMMARY

23004 KIRTLAND AFB NM

68-70, 73-79

MAR

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point				
72/ 71																		1	1					
70/ 69																		2	2					
68/ 67																		7	7					
66/ 65																		13	13					
64/ 63																		15	15					
62/ 61																		38	38					
60/ 59																		42	42					
58/ 57																		52	52					
56/ 55																		48	48					
54/ 53																		56	56					
52/ 51																		73	73					
50/ 49																		61	81	12				
48/ 47																		85	85	16				
46/ 45																		77	77	41				
44/ 43																		71	71	73				
42/ 41																		60	60	121				
40/ 39																		46	46	132				
38/ 37																		39	39	118				
36/ 35																		32	32	104				
34/ 33																		39	39	102				
32/ 31																		22	22	65				
30/ 29																		15	15	57				
28/ 27																		9	9	40				
26/ 25																		2	2	31				
24/ 23																				9				
22/ 21																		4	4	1				
20/ 19																		1	1	2				
18/ 17																				2				
16/ 15																								
14/ 13																								
12/ 11																								
10/ 9																								
8/ 7																								
6/ 5																								
Element (X)	ΣX²		ΣX		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ					
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

2304

KIRTLAND AFB NM

68-70, 73-79

NAR

STAT-04

STATION NAME

YEARS

MONTN

PAGE 2

2900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

AIRTLAND AFB NM

68-70, 73-79

MAR

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
82/ 61																.1		1	1														
80/ 79																	.1	1	1														
78/ 77																	.1	4	4														
76/ 75												.2	.1	.2	.2			7	7														
74/ 73											.2	.1	.5		.3			12	12														
72/ 71											.2	.6	1.1	.8	.2			27	27														
70/ 69											.1	1.2	1.4	.8	.1			32	32														
68/ 67										.3	1.0	2.6	1.8	.8	.1			58	58														
66/ 65									.2	.6	2.0	2.5	1.2	.2				63	63														
64/ 63								.3	.5	1.4	2.7	1.2	.6	.1				64	64														
62/ 61							.1	.4	.4	2.0	2.3	.5	.2					56	56														
60/ 59							.1	.5	1.6	3.3	1.1	.5	.1					71	71														
58/ 57					.1		.3	1.4	1.9	2.2	.6	.4						65	65														
56/ 55			.1		.1	.3	.3	2.8	2.4	1.5								70	70														
54/ 53		.1	.1	.2	.4	1.6	2.2	2.3	.9	.2								74	74	5													
52/ 51		.1		.1	.5	.6	1.8	1.5	.4									51	51	8													
50/ 49				.4	1.3	1.6	2.0	.5	.1									56	56	36													
48/ 47			.2	.3	.9	1.3	1.0	.6	.1									41	41	56	1												
46/ 45		.2	.1	.1	.6	.5	1.3	.4										32	32	117	3												
44/ 43			.1	.4	.5	.4	1.3	.1										27	27	130													
42/ 41			.3	.5	.5	1.1	.4	.1										28	28	154	3												
40/ 39	.1	.6	.4	.4	.4	.9	.6											33	33	100	4												
38/ 37		.3	.9	.4	.3													18	18	110	5												
36/ 35		.4	.5	.3	.2	.1												16	16	68	17												
34/ 33		.1	.2	.4														9	9	52	26												
32/ 31		.2	.1	.2														5	5	44	45												
30/ 29		.3	.1	.1														5	5	24	40												
28/ 27		.2		.1														3	3	18	60												
26/ 25																				9	81												
24/ 23			.1															1	1	2	60												
22/ 21																				1	109												
20/ 19																					107												
18/ 17																					88												
16/ 15																					60												
Element (X)	2x		2x		x		x		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F.		≤ 32 F.		≥ 67 F.		≥ 73 F.		≥ 86 F.		≥ 93 F.		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	



## PSYCHROMETRIC SUMMARY

68-70, 73-79

482

STATION NAME

**YEARS**

## NOTES

1200-1469

**HOURS (L, S, T-)**

[illegible]



## PSYCHROMETRIC SUMMARY

27004 KIRTLAND AFB NM

68-70, 73-79

MAR

STATION

STATION NAME

**YEARS**

**Now I**

PAGE 1

1500-1700

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

22004 WIRTLAND AFB NM

6E-75, 73-79

443

STAT:CH

STATION NAME

YEARS

**BACK T H**

PAGE 2

1500-1700

[illegible]



23004	KIRTLAND AFB NM
STATION	STATION

## PSYCHROMETRIC SUMMARY

62-70, 73-79

543

PAGE 1 1800-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

66-70, 73-79

MAR  
MONTH

PAGE 2

1800-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-76, 73-79

MAR

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

MAR

STATION NAME

YEARS

MONTH

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1/-																					10			
-2/-3																					10			
-3/-5																					6			
-4/-7																					1			
-5/-9																					3			
-12/-13																					1			
TOTAL	1.2	7.2	11.4	13.8	14.1	11.7	13.4	14.0	8.8	2.8	1.0	.4	.2					930	930	930	930			



## PSYCHROMETRIC SUMMARY

22-04 AIRTLAND AFB NM

65-70, 73-79

48 R

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

21034

KIRTLAND AFB NM

65-70, 73-79

MAR

## STATICS

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004 AIRTLAND AFB NM

68-70, 73-79

493

STATION

STATION NAME

**YEARS**

**MCMTH**

PAGE 1

3030-0200

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27C04 KIRTLAND AFB NM

68-70, 73-79

423

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0000-0200

HOURS (L - A - T)

[illegible]



### PSYCHROMETRIC SUMMARY:

27204 KIRTLAND AFB NM

63-70, 73-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

199

STATION

STATION NAME

YEARS

## ADMIN

PAGE 2

0300-0500

10185 IL-S-1-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15	16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
72.1	.5	5.3	13.3	13.0	17.0	19.2	19.2	7.9	2.7	.4										900	900	900		
																				</				



## PSYCHROMETRIC SUMMARY

27 04 KIRTLAND AFB NM

68-70, 73-79

APQ

STATION

STAT\*USE NAME

**YEARS**

**MONTH**

PAGE 1

0600-0800

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27304

AIRTLANO AFS NH

68-72, 73-79

4P2

**STATION**

STATION NAME

**YEARS**

**MACINTOSH**

PAGE 2

2600-0800

**HOURS (L, S, T):**

[illegible]



## PSYCHROMETRIC SUMMARY

27064

KIRTLAND AFB NM

68-70, 73-79

APP

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0900-1100

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23504

KIRTLAND AFB NM

68-70, 73-79

APZ

STATION

STATION NAME

YEARS

**MONITOR**

PAGE 2

0900-1100

HOURS (L, S, T,)

[illegible]



## PSYCHROMETRIC SUMMARY

23.04

WIRTLAND AFB NM

66-70, 73-79

APR

STAT 124

STATION NAME

**YEARS**

**WZL**

PAGE 1

1296-1400

NOV 25 1964

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

APP

STATION

STATION NAME

YEARS

MONY

PAGE 2

1200-1400

HOURS (L, S, F.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
17/ 17																					49	
16/ 16																					53	
15/ 15																					43	
14/ 14																					55	
13/ 13																					50	
12/ 12																					44	
11/ 11																					20	
10/ 10																					28	
9/ 9																					24	
8/ 8																					13	
7/ 7																					6	
6/ 6																					4	
5/ 5																					8	
4/ 4																					4	
3/ 3																					1	
2/ 2																					900	
1/ 1																					900	
0/ 0																					900	
-1/ -1																					900	
-2/ -2																					900	
-3/ -3																					900	
-4/ -4																					900	
-5/ -5																					900	
-6/ -6																					900	
-7/ -7																					900	
-8/ -8																					900	
-9/ -9																					900	
-10/ -10																					900	
-11/ -11																					900	
-12/ -12																					900	
TOTAL	.4	.7	1.2	1.0	1.1	2.4	3.6	5.7	7.2	9.1	11.6	15.2	13.6	11.8	9.6	4.1	1.9		900	900	900	

Element (X)	$\Sigma x^2$	$\Sigma x$	$\bar{x}$	$s_x^2$	No. Obs.	Mean No. of Hours with Temperature						Total
Rel. Hum.	565460	16342	20.4	14.601	900	$\leq 0$ F	$\leq 32$ F	$\leq 67$ F	$\leq 73$ F	$\leq 80$ F	$\leq 93$ F	
Dry-Bulb	3953256	58986	65.5	9.855	900		.3	49.3	23.9	3.1		90
Wet Bulb	1854760	40588	45.1	5.202	900		1.2					90
Dew Point	449422	17542	19.5	10.936	900	3.6	80.3					90



## PSYCHROMETRIC SUMMARY

2704

✓ IRTLAND AFB NM

65-70, 73-79

APR

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

1500-1700

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL O.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
67/25																	.1	1	1					
64/23																	.8	1	10					
62/21																.2	.1	.8	22	22				
61/19																.4	.9	1.1	22	22				
61/17															.7	.6	1.4	1.3	36	36				
60/17														.7	1.4	1.4	3.3	1.1	72	72				
60/15												.4	2.1	1.2	3.7	3.4	.1	99	99					
60/13											.1	1.0	2.6	2.0	4.3	.9		98	98					
60/11										.1	.7	.7	1.9	2.7	2.8			79	79					
60/9									.1	.4	.6	1.7	4.1	1.7	1.0			86	86					
60/7									.1	.4	1.1	2.4	1.4	1.6				64	64					
60/5									.4	1.0	1.0	.7	1.4	.8				48	48					
60/3								.2	.4	.4	.8	.9	1.1					35	35					
60/1								.3	.1	.7	1.4	.8	.6					35	35					
59/59						.1	.2	.2	.9	.8	1.9	.9	.1					46	46					
58/57					.1	.4	.1	.1	.3	.3	.6	.2						20	20					
58/55					.1	.3	.2	.8	.3	.9	.2							26	26					
54/53			.2		.1	.1	.7	.4	1.1	.3								27	27					
52/51			.1		.2	.1	.3	.4	.7	.2								19	19					
50/49		.1	.1	.1	.6	.7	.6	.7	.4	.1								30	30					
48/47			.2	.2	.4	.4	.1	.1										14	14					
46/45			.3		.1	.1	.2											6	6					
44/43		.1	.2		.3	.1	.2	.1										10	10					
42/41		.3		.1	.1	.1												6	6					
40/39			.1		.1													2	2					
38/37	.1		.2															3	3					
36/35		.1																1	1					
34/33		.4	.1															5	5					
32/31																								
30/29																								
28/27																								
26/25																								
24/23																								
22/21																								
20/19																								
Element (X)	Z <sub>X</sub> <sup>1</sup>		Z <sub>X</sub>		Z <sub>X</sub> <sup>2</sup>		Z	e <sub>s</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.												≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total						
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

27204

WERTLAND AFB NM

68-70, 73-79

ADD:

STATION

STATION NAME

YEARS

ALGEBRA

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2704 KIRTLAND AFB NM

62-70, 73-79

LPR

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

1993-2000

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004 KIRTLAND AFB NM

68-70, 73-79

APP

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1800-2000

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27.04

KIRTLAND AFB NM

66-70, 73-79

APR

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

2100-2300

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004 F IRTLAND AFB NM

66-70, 73-79

APP

STATION

STATION NAME

**YEARS**

**MONITORING**

PAGE 2

2100-2300  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2004

HIRTLAND AFB NM

66-70,73-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
67/85																		2	2							
64/83																		14	14							
77/81																		31	31							
79/79																		76	76							
77/77																		127	127							
76/75																		201	201							
73/73																		227	227							
71/71																		234	234							
69/69																		305	305							
67/67																		303	303							
65/65																		315	315							
64/63																		290	290							
62/61																		317	317							
63/59																		350	350							
56/57																		375	375							
56/55																		399	399							
54/53																		406	406							
52/51																		445	445							
50/44																		452	452							
48/47																		400	400							
46/45																		322	322							
44/43																		263	263							
42/41																		255	255							
40/39																		211	211							
36/37																		175	175							
36/35																		132	132							
34/33																		79	79							
32/31																		49	49							
30/29																		28	28							
28/27																		21	21							
26/25																		14	14							
24/23																		1	1							
22/21																										
20/19																										
Element (X)	Σx <sup>2</sup>				Σx				Σ				Σ <sub>2</sub>				No. Obs.				Mean No. of Hours with Temperature					
Rel. Hum.																										
Dry Bulb																										
Wet Bulb																										
Dew Point																										

FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

68-7C, 73-79

APR

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

ALL

HOURS (L.S.T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27. 34 KIRTLAND AFB NM

68-70, 73-79

34 Y

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0000-0200

**HOURS 11.5. T.**

[illegible]



## PSYCHROMETRIC SUMMARY

2-224

KIRTLAND AFB NM

68-72, 73-79

MAY

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0000-0200

HOURS 1, 3, 7.

[illegible]



## PSYCHROMETRIC SUMMARY

2704 KIRTLAND AFB NM

68-70, 73-79

44 Y

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

0300-0500

NO-185 11-5-73

[illegible]



## PSYCHROMETRIC SUMMARY

2004

WIRTLAND AFB VM

68-70, 73-79

DAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0300-6500

MOLES 16. 3. 1-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19	20	21-22	23-24	25-26	27-28	29-30	+31	D.B. W.B.	Dry Bulb	Wet Bulb	Dew Point		
1 F.	2.4	5.1	8.6	5.6	14.7	15.4	13.2	15.3	8.5	4.4	1.4	.2								930	930	930		



## PSYCHROMETRIC SUMMARY

66-70, 73-79

43Y

55412

STATION NAME

**YEAR**

45214

PAGE 1

0600-0800

HOURS: L. 5, T. 1

[illegible]



## PSYCHROMETRIC SUMMARY

2-034

FIRTLAND AFB NM

68-72, 73-79

434

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

2600-0800

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
1 / 5 TTL	1.2	3.3	6.5	6.9	10.5	12.2	15.1	14.3	14.4	8.3	4.1	2.3	1.0	.3					930	930	930	



## PSYCHROMETRIC SUMMARY

2: 04 KIRTLAND AFB NM

58-7C, 73-79

MAY

STATION

STATION NAME

**YEARS**

**MONT**

PAGE 1 0900-1100

**HOURS: 11 A.M. - 5 P.M.**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
87/ 87																	.1	1	1						
86/ 85																	.1	2	2						
85/ 83												.1					.2	4	9						
84/ 81													.5	.5	.6		.6	25	25						
83/ 79											.1	.1	.5	1.2	.8		.9	31	31						
82/ 77									.1	.1	.5	1.2	.9	1.4	.8		.4	50	50						
81/ 75												.9	3.1	1.5	1.0		.3	76	76						
80/ 73								.1	.4	1.4	1.6	2.3	3.3	.8	.3			95	95						
79/ 71								.4	1.1	1.3	2.2	2.4	1.7	.6				90	90						
78/ 69								1.2	.9	1.6	2.4	1.7	1.1	.4				86	86						
68/ 67						.1	.6	1.5	2.4	1.3	2.3	2.4	.4					102	102						
66/ 65					.3	.6	.6	1.1	.9	1.3	2.5	1.4	.4					85	85						
64/ 53						.6	1.0	1.3	1.2	.6	1.1	.3						57	57						
62/ 61				.4	.2	.4	1.0	.5	.5	1.4	1.0	.3						54	54	2					
60/ 59			.1	.2	.2	.4	.9	1.0	.3	.9	.1							42	42	4					
59/ 57		.1		.3	.5	.5	.5	.8	.1	.4	.1							32	32	42					
58/ 55			.2	.2	.3	.5	.3	.2	.1	.2								20	20	94					
54/ 53		.2	.2	.2	.3	.1	.4	.1	.1	.1								17	17	95	4				
52/ 51	.1	.1	.1	.3	.1	.3	.2	.1	.3									16	16	190	8				
50/ 49		.1	.1	.9	.2	.2	.1		.2									14	14	162	13				
48/ 47			.4	.2	.3	.1			.2									10	10	108	33				
46/ 45			.3	.4			.1											8	8	99	35				
44/ 43				.2														1	1	62	35				
42/ 41		.2	.1															3	3	38	49				
40/ 39		.3																3	3	19	60				
38/ 37	.1																	1	1	10	76				
36/ 35																				3	60				
34/ 33																				2	45				
32/ 31																					84				
30/ 29																					53				
28/ 27																					79				
26/ 25																					61				
24/ 23																					34				
22/ 21																					51				
Element (X)	Σ x²		Σ x		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ				
Rel. Hum.																									
Dry Bulb																									
Wet Bulb																									
Dew Point																									
																			</						



## PSYCHROMETRIC SUMMARY

66-72, 73-79

HA Y

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

0900-1100

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27-04

KIRTLAND AFB NM

68-70, 73-79

MAY

STATION

STATION NAME

**YEARS**

**MONTM**

PAGE 1 1200-1400

HOURLY (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2004

KIRTLAND AFB NM.

63-70, 73-79

MAY

## STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1200-1400

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

MAY

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

1500-1700

HOURS (L - S - T -)

[illegible]

0.26-5 (OLA) REVISED METHODS (EDITIONS OF THIS FORM ARE OBSOLETE)

**USAFETAC**



## PSYCHROMETRIC SUMMARY

22564

KISTLANC AFB NM

66-70, 73-79

MAY

STAT-CH

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2 - C4

FERTLAND AFB NM

55-70, 73-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

2000 2000  
2000 2000

[illegible][illegible]



## PSYCHROMETRIC SUMMARY

66-70, 73-79

ZZY

STATION

STATION NAME

**YEARS**

11/11/11

PAGE 2

1800-2900

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2104 KIRTLAND AFB NM

68-72, 73-79

24 Y

STATION

STATION NAME

YEARS

MSHM

PAGE : 2100-2300  
HOURS (L. S. T.)

[illegible]



66-70, 73-79

## PSYCHROMETRIC SUMMARY

21004

AIRLAND AFB NM

66-70, 73-79

MAY

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

2100-2300

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

25124

KIRTLAND AFB NM

68-70,73-79

## NAME

**STATION**

STATION NAME

**YEARS**

**FROM THE**

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

Z 004

ADOTLAND AFB NM

68-70, 73-79

225

STATION

STATION NAME

YEARS

MCNIA

PAGE 2

ALL

ALL  
HOURS (L, S, T, N)

Temp (F)		WET BULB TEMPERATURE DEPRESSION (F)																			TOTAL		TOTAL	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
25	25																				3	459		
24	23																				3	400		
22	21																					479		
21	19																					463		
18	17																					329		
16	15																					225		
14	13																					202		
13	11																					162		
11	9																					133		
9	7																					111		
6	5																					54		
4	3																					46		
3	1																					28		
3	-1																					21		
-2	-3																					10		
-4	-5																					6		
-5	-7																					4		
-6	-9																					1		
TOTAL		.6	2.5	4.3	4.1	5.6	6.8	8.0	6.5	8.9	3.2	7.9	6.8	5.8	6.1	4.7	4.2	5.4		7439	7439	7439		
																			7439		7439			



## PSYCHROMETRIC SUMMARY

2- 34      IRTLAND AFB TX

68-70, 73-79

JUN

2242

STATION NAME

YIARS

W3211

Page 1 of 1

0000-6200

1953 11 8 3

[illegible]



## PSYCHROMETRIC SUMMARY

21004 WIRTLAND AFB NM

68-70, 73-79

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2 CG00-0200  
HOURS (L, S, T)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2704 KIRTLAND AFB NM

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL																		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																				
81/ 81												.1									1	1																		
80/ 79												.2	.2	.1							5	5																		
79/ 77												.1	.2	.3							6	6																		
78/ 75								.1	.1		.1	.2	.2	.1							8	8																		
77/ 73								.3		.1	1.6	.4	.2								24	24																		
72/ 71							.1	1.2	.9	1.2	.6	.1									39	39																		
73/ 69					.2	.2	.6	.4	1.0	.7		.4	.1								33	33																		
69/ 67					.2	.7	1.3	2.3	1.1	1.3	.7	.6									74	74																		
66/ 65				.1	1.1	1.7	3.0	2.2	1.6	1.3	.9	.9									115	115																		
64/ 63			.3	.1	1.6	2.0	1.4	1.9	1.6	1.3	1.2	.3									106	106																		
62/ 61		.1	.1	.7	2.5	1.4	2.0	2.3	2.3	1.1	.6	.2	.1								117	117	5																	
60/ 59			.4	1.0	1.6	1.1	1.3	1.9	2.9	1.4	.3	.1									109	109	22	3																
58/ 57				1.0	1.6	1.6	.1	1.6	1.7	1.0	.2										80	80	36	3																
56/ 55		.2	.6	.9	1.3	.9	.8	1.4	.6	.1											59	59	89	6																
54/ 53		.3	1.3	.4	.7	1.2	1.1	.3	.8	.2											58	58	133	10																
52/ 51		.3	.8	.4	.1	.3	.7	.1	.2	.1											28	28	109	38																
50/ 49		.3	.6	.6	.2	.4	.2	.3	.2												26	26	122	52																
48/ 47		.1	.2	.2		.1			.1												7	7	100	69																
46/ 45			.4					.1													5	5	86	81																
44/ 43																							85	53																
42/ 41																							61	62																
40/ 39																							28	66																
38/ 37																							1	67																
36/ 35																							3	47																
34/ 33																							5	51																
32/ 31																								46																
30/ 29																								37																
28/ 27																								42																
26/ 25																								33																
24/ 23																								36																
22/ 21																								13																
20/ 19																								24																
18/ 17																								27																
16/ 15																								11																
Element (X)	Σx²		Σx		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ																	
Rel. Hum.																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								
Mean No. of Hours with Temperature																							Total																	
≥ 0 F																							≥ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F					



## PSYCHROMETRIC SUMMARY

65-72, 73-79

JUN

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0300-0500  
HOURS (L. S. T.)

[illegible]







## PSYCHROMETRIC SUMMARY

2004

AIRLAND AFB NH

68-72, 73-79

JUN

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

0600-0800  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27-04 FORTLAND AFB NM

68-70, 73-79

July

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
97/97																		.1	1	1				
96/96																		.4	4	4				
95/95																		.7	8	8				
94/94																		.9	17	17				
93/93															.2	.7	1.1	1.7	33	33				
92/92														1.4	1.3	.8	1.6	46	46					
91/91											.2	.4	1.1	1.3	1.9	1.3	1.3	73	73					
90/90										.1	.3	1.6	1.9	1.6	1.8	1.3	.2	79	79					
89/89									.1	.3	1.4	1.6	2.7	1.8	1.9	1.3	.3	103	103					
88/88									.1	1.4	1.6	2.1	1.3	2.6	.7	.7		94	94					
87/87								.8	2.0	1.3	1.7	1.9	1.7	.8	.1			92	92					
86/86							.4	1.1	1.2	2.0	2.3	1.8	.6	.4	.1			90	90					
85/85							.2	.5	1.1	1.2	1.4	.7	1.2	.4				64	64					
84/84							.2	1.6	1.0	1.9	.8	.8	.6	.2				63	63					
83/83				.2		.1	.6	.6	1.3	.4	.4	.8	.2	.1				45	45					
82/82				.8		.2	.8	.6	.6	.1	.8	.2	.1					32	32					
81/81			.1		.1	.6	1.0	.3	.3	.4	.3	.1						30	30	6				
80/80			.1	.1	.2	.2	.1	.2	.1	.1		.1						11	11	41				
79/79				.1	.1	.2	.2	.4	.1									3	3	97				
78/78						.2	.1													144				
77/77																		1	1	147				
76/76						.1														147				
75/75																								
74/74																				151				
73/73																				70				
72/72																				47				
71/71																				34				
70/70																				11				
69/69																				4				
68/68																				1				
67/67																								
66/66																								
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5/5																								
4/4																								
3/3																								
2/2																								
1/1																								



## PSYCHROMETRIC SUMMARY

66-70.73-79

1133

STATION NAME

YEARS

**NORTH**

3955-1106

HOURS (L. E. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point												
27/27																						54											
26/25																						36											
24/23																						30											
27/21																						17											
27/19																						21											
27/17																						19											
17/15																						5											
14/13																						7											
12/11																						5											
12/9																						4											
12/7																						2											
12/5																						1											
12/3																						2											
12/1																						1											
12/-1																						2											
12/-3																						1											
TOTAL			.1	.3	.4	1.3	3.3	5.2	6.9	9.4	10.6	12.7	12.9	11.6	10.0	7.4	7.2		900	900	900												

**USAFETAC**  
FORM 10-75  
0-26.5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM AIR OBSOLETE



## PSYCHROMETRIC SUMMARY

YEARS

**MONITOR**

1230-1400

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2-004

KIRTLAND AFB NM

66-70, 73-79

JUN

STATION

STAT. ON NAME

**YEARS**

**MCNTM**

PAGE 2

1200-1493

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23-04 KIRTLAND AFB NM

68-70, 73-79

JUN

STATION

STATION NAME

**YEARS**

**MONIN**

PAGE 1

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
107/101																	.2	2																	
104/101																	.3	3																	
102/101																	1.6	14																	
100/99																	3.9	35																	
97/97																	5.8	52																	
96/95																	7.2	65																	
94/93															.1	.2	10.8	130																	
92/91															.4	1.9	8.2	67																	
91/89															.2	1.3	2.2	8.7																	
88/87														.4	1.2	1.9	2.4	6.1																	
86/85												.2	.9	.4	2.1	2.1	1.9	68																	
84/83										.1	.1	.4	.3	2.7	.4	1.7	57																		
82/81										.1	.1	.7	1.1	1.0	1.6	.3	.3	46																	
82/79									.1	.1	.6	.3	1.0	.7		.1	.7	32																	
78/77							.2	.1		.4	.2	.7	.4	.4		.1		24																	
76/75							.1	.1	.2	.2	.3	.1	1.0	.4	.2			24																	
74/73						.1		.2		.6	.6	.2	.2					19																	
72/71							.1	.2	.2	.1	.5	.3	.2					16																	
70/69							.2	.3	.2	.3		.1						11																	
68/67							.2	.1										3																	
66/65						.2	.3	.1										9																	
64/63						.1	.3	.1		.2	.1							1																	
62/61			.1	.4	.1													6																	
60/59			.3		.1													4																	
58/57																																			
56/55																																			
54/53																																			
52/51																																			
50/49																																			
48/47																																			
46/45																																			
44/43																																			
42/41																																			
40/39																																			
Element (X)	Σx²			Σx			Σ			Σ			Σ			Σ			No. Obs.			Mean No. of Hours with Temperature													
Rel. Hum.																									Total										
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

2-004 WRIGHTLAND AFB TX

62-70,73-79

JUN

STATION

STATION NAME

**YEARS**

**LOCATION**

PAGE 2

1500-1700

HOURS (L, S, T, F)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
37/37																																			62
36/35																																			64
34/33																																			63
32/31																																			71
30/29																																			53
28/27																																			50
26/25																																			60
24/23																																			37
22/21																																			46
20/19																																			42
18/17																																			41
16/15																																			25
14/13																																			16
12/11																																			22
10/9																																			13
8/7																																			7
6/5																																			7
4/3																																			4
2/1																																			1
0/-1																																			1
-2/-3																																			2
-4/-5																																			2
-6/-7																																			2
TOTAL			.4	.4	.2	.4	1.1	1.2	.6	2.3	2.4	2.8	5.7	5.3	10.2	9.1	57.4			899													899		
																				899													999		



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

21 04 KIRTLAND AFB NM

68-70, 73-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOT/1	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point																			
100/ 69																		.2	2	2																				
97/ 97																		.3	7	7																				
96/ 94																		3.1	28	28																				
94/ 93																		4.0	36	36																				
92/ 91																		.2	.3	4.3	44	44																		
90/ 89															.2	.3	2.1	5.1	70	70																				
88/ 87															.1	.3	1.2	1.8	4.3	70	70																			
86/ 85														.2	.9	1.4	2.4	2.3	4.7	106	106																			
84/ 83														.9	.6	2.1	1.9	1.6	2.3	61	51																			
82/ 81													.5	1.4	1.1	2.0	2.7	1.8	1.6	94	94																			
80/ 79												.5	1.2	1.4	2.9	1.0	1.3	.2	.2	61	51																			
78/ 77								.1	.1	.4	.6	1.6	1.4	1.3	.8	.2	.1			52	62																			
76/ 75								.3	.2	.6	.6	.7	.2	.4	.8	.3	.2			61	61																			
74/ 73							.3	.2	.6	.6	.7	.2	.4	.8	.3	.2				37	37																			
72/ 71							.1	.3	.1	.7	.3	.4	.4	.2	.2					26	26																			
70/ 69							.1	.3	.1	.7	.3	.4	.4	.2	.2					19	19																			
68/ 67						.1	.6	.1	.2	.1	.1	.2	.1	.1						19	19																			
66/ 65				.1	.3	.2	.1	.1	.1	.1	.2	.1	.2	.1	.1					11	11																			
64/ 63			.2	.4	.3	.7	.1	.1	.2	.1	.2	.1	.2	.1	.1					19	19																			
62/ 61			.2	.4	.3	.7	.1	.1	.2	.1	.2	.1	.2	.1	.1					9	9																			
60/ 59			.1	.2	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					7	7																			
58/ 57		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					2	2																			
56/ 55			.2	.2																2	2																			
54/ 53		.1	.2																	2	2																			
52/ 51		.2																		2	2																			
50/ 49																																								
48/ 47																																								
46/ 45																																								
44/ 43																																								
42/ 41																																								
40/ 39																																								
38/ 37																																								
36/ 35																																								
34/ 33																																								
Element (X)	Z <sub>X</sub> <sup>2</sup>					Z <sub>X</sub>					Z <sub>X</sub>					Z <sub>X</sub>					Z <sub>X</sub>					Z <sub>X</sub>					Z <sub>X</sub>					Z <sub>X</sub>				
Rel. Hum.																																								
Dry Bulb																																								
Wet Bulb																																								
Dew Point																																								

USAFETAC FORM 0-20-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

July

YEARS

MONITOR

1650-2000

FOIA b 7 - D

[illegible]



## PSYCHROMETRIC SUMMARY

65-70, 73-79

444

514

**DATE**

## TEASE

9.25

PAGE 1

2100-2300

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point												
87/87															.3	.3	.3	9	9														
86/85														.1	.3	.2	.9	.2	16	16													
85/83												.2	.2	1.6	.8	.6	.3	.3	33	33													
84/81										.1	.2	.6	.6	1.8	.9	.3	.2	.42	42	42													
83/79									.4	.4	1.6	2.6	1.8	.9	.8	.3		82	82														
82/77							.7	.4	1.6	1.8	1.0	1.6	1.4	.2				77	77														
81/75						.1	1.0	1.2	1.8	2.2	3.0	2.4	.8	.1				114	114														
80/73						.3	1.0	.9	1.3	1.8	2.4	2.1	2.0	.1				108	108														
79/71						.3	.2	1.0	.9	2.2	1.0	1.9	2.0	.4	.1			91	91														
78/69			.1	.1	.3	.9	.3	1.1	1.8	2.6	1.4	1.6	.4					100	100														
77/67				.1	.1	.2	.6	1.0	1.0	.7	1.4	1.1	.2					58	58														
76/65					.3	.3	1.0	1.1	.7	.7	.6	.4	.3					51	51														
75/63				.2	.4	.2	.7	.7	.4	.7	.2	.1	.2					38	36	5													
74/61			.1	.2	.2	.7	.3	.1	.6	.2	.1							23	23	31													
73/59				.4	.2	.7	.2	.2	.3	.1		.1						22	22	51	2												
72/57		.3		.4	.4	.4	.4	.2	.3		.1							21	21	112	2												
71/55				.4	.4	.1	.1											10	10	119	7												
70/53				.2	.1	.1	.1											5	5	141	22												
69/51		.2																2	2	147	16												
68/49																				142	49												
67/47																				73	33												
66/45																				46	54												
65/43																				17	39												
64/41																					61												
63/39																				3	66												
62/37																				1	65												
61/35																						53											
60/33																						43											
59/31																						65											
58/29																						60											
57/27																						43											
56/25																						51											
55/23																						30											
54/21																						41											
Element (X)	ΣX'		ΣX		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature																						
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total										
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

66-70, 73-79

994

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

2100-2300  
HOURS (L-S-T)

[illegible]



## PSYCHROMETRIC SUMMARY

27004

KIRTLAND AFB NM

66-70, 73-79

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004

KIRTLAND AFS NM

68-72, 73-79

JUN

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23604

KIRTLAND AFB NM

68-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

MOYIN

PAGE 1

2009-0200

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
57/ 85														.1				1	1					
47/ 83												.1						1	1					
37/ 81											.1							5	5					
27/ 79									.2	1.4	.4			.2		.1		22	22					
17/ 77								.2	1.0	1.8	1.4	.9	.2	.1				52	52					
76/ 75						.2	.9	2.3	2.9	2.8	1.9	1.3	.5					119	119					
74/ 73						.5	2.3	4.0	2.9	1.7	1.5	.4	.3					131	131					
72/ 71					.6	3.4	4.4	3.5	1.2	.4		.2	.2					131	131					
70/ 69				1.4	2.7	6.9	2.8	1.2	.6	.2		.1						146	146					
60/ 67			1.4	3.1	3.0	2.7	1.7	.9	.1	.1								118	118					
66/ 65		1.0	3.8	2.0	2.6	1.2	.5	.2		.3	.2	.2						112	112	3				
64/ 63		.9	1.5	1.6	2.0	.5	.1			.2								64	64	86	7			
52/ 61			1.1	.3	.5	.2	.1											21	21	229	35			
60/ 59			.2			.1												3	3	259	67			
50/ 57			.2															2	2	176	78			
56/ 55																				99	113			
54/ 53																				41	129			
52/ 51																				18	127			
50/ 49																								
48/ 47																				9	87			
46/ 45																				7	93			
44/ 43																				1	59			
42/ 41																				2	25			
40/ 39																					32			
38/ 37																					22			
36/ 35																					14			
34/ 33																					12			
32/ 31																					2			
30/ 29																					6			
28/ 27																					9			
26/ 25																					6			
24/ 23																					4			
20/ 19																					1			
16/ 15																					2			
Element (X)	Σ x <sup>1</sup>				Σ x			Σ x			Σ x			Σ x										
Rel. Hum.																								
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

27504

KIRTLAND AFB NM

68-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

MONTE

PAGE 2

0000-0200  
HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27-04

KIRTLAND AFB NM

66-70, 73-79

494

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 1

0300-0500

HOURS (L - S - T -)

[illegible]



66-70, 73-79

## PSYCHROMETRIC SUMMARY

23004 KIRTLAND AFB NM

66-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

MONITOR

PAGE 1

0600-0800

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
97/ 83											.5	.2	.1					6	6			
92/ 81											.5	.3	.2	.1				15	15			
87/ 79											.5	.4	.2	.1		.1		33	33			
78/ 77							.1	.8	2.2	1.5	1.0	.4	.1	.1				57	57			
67/ 75						.1	1.5	4.2	2.2	1.7	.6	.6						103	103			
74/ 73					.1	1.5	3.4	2.9	1.2	1.2	.5	.1	.2					102	102			
72/ 71				.1	1.6	4.6	3.3	2.4	1.3	.5	.2							131	131			
70/ 69			.1	1.9	3.9	5.3	2.7	1.8	.8	.1	.2							156	156			
55/ 67			1.4	3.1	4.2	2.6	1.6	.6	.4	.2	.1	.1						134	134			
66/ 65		.2	1.9	2.6	3.8	1.1	.9	.1	.2	.1								101	101	12		
64/ 63		1.2	1.7	1.2	.6	.6	.1		.1		.1							53	53	146	5	
62/ 61		.8	1.2	.6	.3	.1					.1							29	29	267	37	
59/ 59		.1	.8	.1			.1											10	10	223	74	
56/ 57																				149	121	
56/ 55																				72	154	
54/ 53																				38	151	
52/ 51																				9	74	
50/ 49																				9	98	
48/ 47																				3	60	
46/ 45																					50	
44/ 43																				1	30	
42/ 41																				1	16	
40/ 39																					13	
38/ 37																					9	
36/ 35																					7	
34/ 33																					7	
32/ 31																					4	
30/ 29																					2	
28/ 27																					3	
26/ 25																					2	
22/ 21																					1	
18/ 17																					1	
16/ 15																					1	
Element (X)	Σ x <sup>2</sup>	Σ x	X	x <sub>n</sub>	No. Obs.	Mean No. of Hours with Temperature																
Rel. Hum.						≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb																						
Wet Bulb																						
Dew Point																						



## PSYCHROMETRIC SUMMARY

23004 FORTLAND AFB NM

62-75,73-79

JUL

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

0600-0800

HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F,																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	= 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
10.2 L		2.3	7.1	9.7	14.5	15.9	13.7	12.9	9.4	6.7	4.1	2.5	.6	.4		.1			930	930	930	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2704

AIRLAND AFB NM

65-70,73-79

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	Dry Bulb	Wet Bulb	Dew Point				
84/ 93																	.3	.3	6	6				
82/ 91																	.2	.4	13	13				
80/ 89													.1	1.2	2.2	.8	.5	.3	47	47				
81/ 87												.2	1.3	2.2	1.3	1.0	.9	.4	66	66				
85/ 85										.1	3.2	3.2	2.5	.8	.4	.4	.1		100	100				
84/ 83										1.1	3.5	2.8	1.3	1.1	.3	.1			95	95				
87/ 81								.1	1.7	4.9	4.8	1.7	.8	.3	.1	.1			136	136				
86/ 79							.1	1.9	4.7	3.7	1.7	.3	.5						121	121				
78/ 77						.2	1.3	3.7	4.1	2.2	1.0								115	115				
76/ 75					.1	1.2	3.3	3.9	1.6	.4					.1				101	101				
74/ 73				.1	.5	2.0	2.8	1.0	.2	.2									64	64				
72/ 71				.3	1.4	.5	.4	.6											32	32				
70/ 69				.2	.5	1.1													18	18				
68/ 67		.1	.2		.1	.3													7	7	14			
66/ 65		.2	.3																5	5	187			
64/ 63				.1															1	1	333	11		
62/ 61		.1	.1																2	2	221	23		
60/ 59		.1																	1	1	110	40		
58/ 57																					46	98		
56/ 55																					12	155		
54/ 53																					5	160		
52/ 51																					1	109		
50/ 49																					1	101		
48/ 47																						76		
46/ 45																						33		
44/ 43																						41		
42/ 41																						20		
40/ 39																						14		
38/ 37																						14		
36/ 35																						8		
34/ 33																						9		
32/ 31																						4		
30/ 29																						3		
28/ 25																						1		
Element (X)	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Z <sub>g</sub>	Mean No. of Hours with Temperature					Total	
Rel. Hum.																			± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7283



## PSYCHROMETRIC SUMMARY

27004 AIRTLAND AFB NM

63-70, 73-79

JUL

## References

### STATION NAME

75-125

CONTINUED

PAGE 2

0955-1100  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

27.04  
STATION

KIRTLAND AFB NM  
STATION NAME

68-70, 73-79  
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JUL  
MONTH

PAGE 1

1200-1400  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																														TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point													
104/105																	.1	1	1															
102/101																	.6	4	4															
100/99																	1.2	11	11															
98/97																	.4	3.4	36	36														
96/95																	.5	1.4	3.9	52	52													
94/93															.2	2.5	3.0	4.0	90	90														
92/91														.3	3.7	5.2	2.8	2.3	152	132														
90/89													.3	3.5	4.1	2.6	1.6	.3	116	116														
88/87											.5	3.2	4.5	3.3	1.1	.6	.1	129	125															
86/85										.3	2.7	4.7	2.5	.8	.4			106	106															
84/83									.1	2.2	2.6	2.2	1.0					76	76															
82/81								.2	1.8	3.0	1.7	.9	.1					72	72															
80/79								1.1	1.4	.9	.4	.2						36	36															
78/77							1.0	1.3	1.1	.5	.1							37	37															
76/75					.1	.3	.5	.6	.1									17	17															
74/73					.1	.2	.5											5	8															
72/71			.1	.1	.2	.2												6	6															
70/69			.1		.1													2	2		1													
68/67				.1																56														
66/65				.1														1	1	301	1													
64/63			.2															2	2	287	3													
62/61																				180	5													
60/59																				75	21													
58/57																				24	52													
56/55																				5	86													
54/53																				1	111													
52/51																					111													
50/49																					128													
48/47																					102													
46/45																					100													
44/43																					52													
42/41																					36													
40/39																					31													
38/37																					28													
Element (X)	Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>			
Rel/Hum.	Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>			
Dry Bulb	Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>			
Wet Bulb	Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>			
Dew Point	Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>		Σ <sub>g</sub>			

USAFETAC FORM 0-26-5 (OL 7-1) REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7284



## PSYCHROMETRIC SUMMARY

21004

KIRTLAND AFB NM

63-70, 73-79

494

**STATION**

STATION NAME

YEARS

143917

PAGE 2

1700-1400

1200-1400  
HOURS (L. 3, T. 1)

[illegible]



HOURS (L, S, T.)

**USAFETAC**  
FORM 0-26-5 (O-1 A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

66-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

1500-1700  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27064

KIRTLAND AFB NM

68-70, 73-79

JUL

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1 1800-2000

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
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## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

1600-2000

1000 2500  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23104

KIRTLAND AFB NM

68-70, 73-79

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
87/ 97														.4	.1	.2		7	7					
86/ 85											.1	.2	1.1	.8	.4	.3	.1	28	28					
84/ 83												1.1	1.3	.3	.3	.2	.1	31	31					
82/ 81									.1	.5	2.0	1.8	2.6	.2	.1	.1	.2	72	72					
80/ 79									.3	2.8	2.5	1.7	1.1	.2	.2			86	86					
78/ 77							.2	1.2	4.4	3.2	1.7	1.4	.8	.6	.1			126	126					
76/ 75					.1	.3	.5	3.8	3.2	2.2	.9	.3	.5	.1				116	116					
74/ 73					.1	1.0	3.7	3.3	1.8	.3	.4	.2	.2					103	103					
72/ 71					1.3	3.4	3.4	1.7	.5	.2								99	99					
70/ 69			.1	2.9	2.5	2.8	1.9	1.0	.1									105	105					
68/ 67			2.2	2.0	1.7	1.0	.3	.4										71	71	1				
66/ 65		.8	2.5	.9	1.6	.4		.1										58	58	24				
64/ 63		.2	.9	.3	.5													18	18	130	13			
62/ 61		.2	.4	.4														10	10	305	48			
60/ 59																				234	61			
58/ 57																				145	56			
56/ 55																				53	76			
54/ 53																				19	134			
52/ 51																				17	115			
50/ 49																				2	88			
48/ 47																					75			
46/ 45																					69			
44/ 43																					38			
42/ 41																					37			
40/ 39																					28			
38/ 37																					25			
36/ 35																					5			
34/ 33																					5			
32/ 31																					11			
30/ 29																					9			
28/ 27																					8			
26/ 25																					3			
24/ 23																					1			
22/ 21																					1			
Element (X)	2x		2x		x		x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F.		≤ 32 F.		≥ 67 F.		≥ 73 F.		≥ 80 F.		≥ 93 F.		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								



## PSYCHROMETRIC SUMMARY

23504

KIRTLAND AFB NM

68-70, 73-79

JUL

**STATION**

STATION NAME

**YEARS**

MONTH

PAGE 2

2100-2300

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

JUL

YEARS

**MONTN**

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27034

BERTLAND AFB TX

66-70, 73-79

JUL

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

ALL

MEMPHIS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
37 / 37																					184	
36 / 35																					89	
34 / 33																					67	
32 / 31																					66	
31 / 29																					55	
28 / 27																					53	
26 / 25																					36	
24 / 23																					12	
22 / 21																					17	
20 / 19																					17	
18 / 17																					12	
16 / 15																					12	
14 / 13																					5	
12 / 11																					2	
10 / 9																					3	
8 / 1																					1	
TOTAL		1.2	4.7	5.4	7.5	8.3	8.4	8.7	8.3	7.9	7.3	6.3	5.7	5.0	4.5	3.6	7.1	7440	7440	7440		
																		7440		7440		



## PSYCHROMETRIC SUMMARY

23004 KIRTLAND AFB NM

68-70, 73-79

AUG

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004 KIRTLAND AFB NM

68-72, 73-79

**AUS**

STAT-78

STATION NAME

YEARS

**MONTH**

PAGE 1

9306-0500

**HOURS (h, s, m)**

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

AUG

STATION

STATION NAME

YEARS

## MONTI

PAGE 1

0600-0800

**HOURS (L, S, T,)**

[illegible]



## PSYCHROMETRIC SUMMARY

27034

AIRTLAND AFB NM

65-70, 73-79

**AUG**

**STATION**

STATION NAME

YEARS

4317

PAGE 1

0900-1100

FIGURES (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
89/ 89														.2	.4			6	6				
89/ 87											.1	.3	1.2	1.1	.4			33	33				
86/ 85										.1	.5	1.8	2.0	.5	.1	.3		51	51				
84/ 83								.1	.3	.6	2.2	1.9	1.4	.2	.2			70	70				
82/ 81								.5	1.0	3.2	3.5	1.9	1.0	.9	.1			113	113				
80/ 79							.3	1.9	4.0	4.3	2.9	1.4	.9	.2				146	148				
78/ 77				.1	.2	.1	1.4	2.6	4.7	2.7	.6	1.0	.5					130	130				
76/ 75				.1	.2	1.7	2.9	4.1	2.5	1.2	.9	.5	.2					133	133				
74/ 73					.3	2.7	3.8	2.4	1.2	.2	.3		.1					102	102				
72/ 71		.1	.1	1.8	1.9	1.1	.9	.2	.2	.2			.1					62	62				
70/ 69			.4	1.6	.5	1.0			.1		.1							37	37	5			
68/ 67			.2	.4	.6	.8	.1											20	20	24			
66/ 65		.2	.2	.1	.3	.1			.2									11	11	97	4		
64/ 63		.1	.2	.1	.1	.1												6	6	265	4		
62/ 61		.2	.1															3	3	249	29		
60/ 59		.2		.3														5	5	147	63		
58/ 57																				79	111		
56/ 55																				38	121		
54/ 53																				18	125		
52/ 51																				3	89		
50/ 49																				3	128		
48/ 47																				3	79		
46/ 45																					45		
44/ 43																					34		
42/ 41																					17		
40/ 39																					24		
38/ 37																					18		
36/ 35																					14		
34/ 33																					9		
32/ 31																					9		
30/ 29																					3		
28/ 27																					2		
24/ 23																					2		
Element (X)	ΣX'		ΣX		X		ΣX		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 6 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							



## PSYCHROMETRIC SUMMARY

27304 KIRTLAND AFB NM

66-70, 73-79

**AUG**

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

3905-110G  
NOV 15 11 31 J-1

[illegible]



## PSYCHROMETRIC SUMMARY

25264

KIRTLAND AFB NM

62-70, 73-79

AUG

**STATION**

STATION NAME

**YEARS**

PAGE 1

1200-1400

**HOURS (L. S. T.)**

[illegible]



## PSYCHROMETRIC SUMMARY

22004

KIRTLAND AFB NM

68-72, 73-79

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1200-1400  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

22004 KIRTLAND AFB NM

68-70,73-79

AUG

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
107/89																		.2	2	2			
95/97																		1.2	11	11			
86/95																		4.7	56	56			
74/93															.3	1.0	2.2	6.9	96	96			
62/91														.5	1.2	2.4	4.2	6.0	133	133			
50/89												.6	1.2	3.6	3.0	3.0	1.4	121	121				
38/87											.6	1.7	2.9	4.0	1.0	.5	.1	101	101				
26/85								.1	.1	.3	1.4	2.8	3.0	2.9	.8	.4		110	110				
14/83									.3	1.3	2.2	1.9	1.4	1.1	.5			77	77				
2/81									.3	1.3	1.4	.6	.3	.1				42	42				
93/79							.2	.9	1.8	1.5	1.6	.5	.1		.1	.2		65	65				
75/77							.1	.8	.8	1.1	.1	.1						27	27				
67/75						.6	.8	1.3	.6	.5	.1							39	39				
74/73					.2		.6	.9	.2									18	18				
127/71					.3	.6	.2	.3										14	14	1			
70/69			.1		.3		.3											7	7	6			
58/67			.1	.2	.3		.1											7	7	39			
66/65				.2														2	2	136	1		
64/63			.1															1	1	237	1		
62/61																				267	13		
57/59																				149	12		
58/57																				70	46		
50/55																				21	61		
54/53																					65		
52/51																				1	90		
53/49																				2	105		
43/47																					82		
46/45																					87		
44/43																					60		
42/41																					79		
43/39																					62		
38/37																					46		
36/35																					27		
34/33																					24		
Element (X)	Σx <sup>2</sup>	Σx	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature					
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≥ 80 F	≥ 93 F	Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

FORM 0-26-5 (OL-A) REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

4116

MONTH

1500-1700

HOURS (a. s. t.)

7293  
USAFETAC  
FORM 100-1  
JUL 64



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2:004  
STATION

KIRTLAND AFB NM  
STATION NAME

68-79, 73-79

YEARS

AUG  
MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point				
97/ 97																		.1	1	1				
96/ 95																		.1	1	1				
94/ 93																		.2	.9	10	10			
92/ 91															.1	.2	.8	1.3	22	22				
87/ 89													.1	.1	.6	.5	1.5	1.4	40	40				
88/ 87											.1	.1	.8	1.9	1.5	1.2	.9	60	60					
86/ 85										.1	.1	.8	2.2	2.2	1.2	.4	.1	65	65					
84/ 83										.2	.6	2.6	2.4	2.0	1.3			85	85					
82/ 81									.1	1.7	2.6	3.5	1.7	1.7	.6			111	111					
80/ 79							.2	.3	1.2	2.7	3.1	2.0	.6	.2	.1	.1		99	99					
76/ 77						.3	1.8	2.8	2.2	1.2	1.0	.9		.1	.1	.1		97	97					
76/ 75				.1	.2	1.0	1.8	1.8	2.6	1.8	.8	.5	.1					100	100					
74/ 73				.1	.3	1.6	1.9	1.4	.9	.3	.8	.3						71	71					
72/ 71				.2	.4	1.7	1.0	1.0	.5				.1					46	46					
70/ 69			.1	.9	1.2	1.3	.8	.4					.1					44	44	1				
68/ 67			.9	1.0	1.2	.8	.3											38	38	14				
66/ 65			.8	.8	.5	.5												24	24	48				
64/ 63		.1	.3	.2	.1													7	7	150				
62/ 61		.1	.2	.1														4	4	247				
60/ 59		.2																2	2	222				
58/ 57																				150				
56/ 55																				68				
54/ 53																				20				
52/ 51																				6				
50/ 49																				1				
48/ 47																				2				
46/ 45																								
44/ 43																								
42/ 41																								
40/ 39																								
38/ 37																								
36/ 35																								
34/ 33																								
32/ 31																								
Element (X)	Σ x <sup>2</sup>		Σ x		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.											≤ 0 F		≤ 32 F		≤ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total	
Dry Bulb																								
Wet Bulb																								
Dew Point																								

USAFETAC FORM 0-26-5 (OL A) REVIDED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

230. 4  
STATIO

KIRTLAND AFB NM

68-72, 73-79

AUG  
MONTH

PAGE 2

1800-2000  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

68-70, 73-79

AUG

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

2100-2300  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

AIRLAND AFB NM

68-72, 73-79

AUG

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

2100-2300

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2-204

KIRTLAND AFB NM

66-70, 73-79

AUG

STATION

STATION NAME

**YEARS**

**MOST**

PAGE 1

411

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

23004

KIRTLAND AFB NM

68-70, 73-79

AUG

**STATION**

STATION NAME

**YEARS**

**MONITOR**

PAGE 2

ALL

ALL  
HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2 - 04

KIRTLAND AFB NM

67-70, 73-78

SFP

STATION

STATION NAME

**YEARS**

MONITOR

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
76/ 75										.2								2	2																
74/ 73									.4	.2		.1						10	19																
72/ 71						.1	.2	.9	.8		.1							20	20																
70/ 69					.1	1.1	1.2	.4	1.2	1.1	.3	.1						51	51																
68/ 67						1.2	1.1	1.0	.9	1.6	.7	.3						61	61																
66/ 65		.3	.4	1.2	1.8	1.7	2.7	1.7	1.3	.2	.3	.1						106	106																
64/ 63		.4	1.1	1.0	1.2	2.6	2.6	1.6	.7	.6								105	105	5															
62/ 61		2.1	1.7	3.0	3.2	1.9	1.3	1.6	1.3	.1								146	146	20	10														
60/ 59		1.4	2.4	2.4	1.9	1.6	1.3	1.4	.6		.1							121	121	67	12														
58/ 57		1.6	1.4	1.1	2.3	.9	.9	1.7	.3	.3								95	95	92	30														
56/ 55		.4	1.8	1.3	1.1	.9	1.7	.4	.3									72	72	126	51														
54/ 53		.3	1.0	.7	.4	.6	.9	.3	.4									44	44	131	71														
52/ 51		.1	.6	.7	.3	.6	.7	.1	.1									28	28	129	59														
50/ 49			.1	.1	.4	.4	.3	.2										15	15	95	75														
48/ 47			.3	.1		.1												5	5	62	82														
46/ 45			.7	.3	.3	.2	.1											15	15	61	69														
44/ 43			.2	.1														3	3	46	71														
42/ 41			.1															1	1	24	53														
40/ 39																				22	48														
38/ 37																				14	53														
36/ 35																				4	41														
34/ 33																					41														
32/ 31																					35														
30/ 29																					28														
28/ 27																					26														
26/ 25																					21														
24/ 23																					3														
22/ 21																					3														
20/ 19																					6														
18/ 17																					8														
16/ 15																					2														
14/ 13																					2														
TOTAL		6.8	11.6	12.2	14.4	13.9	14.9	11.2	9.3	3.4	1.6	.4						900	900	900	900														
Element (X)	Z <sub>X</sub> <sup>2</sup>	Z <sub>X</sub> <sup>2</sup>		Z <sub>X</sub> <sup>2</sup>		Z <sub>X</sub> <sup>2</sup>		No. Obs.		Mean No. of Hours with Temperature																									
Rel. Hum.	3076771	49905		55.9		16.556		900		± 6 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F		Total													
Dry Bulb	3374113	54865		61.0		5.727		900						14.4		1.2						90													
Wet Bulb	2433241	46521		51.7		5.637		900														90													
Dew Point	1781708	39100		43.4		9.610		900						13.4								90													



**USAFETAC** FORM 0-26-5 (01 A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

27.04  
STATIS

KIRTLAND AFB NM

67-70, 73-72

25P

PAGE 1

0600-0800  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B.W.B.	Dry Bulb	Wet Bulb	Dew Point			
77/77										.1								1	1					
74/73								.2		.1	.1							4	4					
72/71					.1	.1	.4	.2	.5	.2	.1							18	18					
71/69				.1	.3	.5	.7	.7	.6	.2								32	32					
67/67				.2	1.0	1.1	1.6	.9	.7	.2								48	48					
66/65		.2	.3	1.1	1.2	2.0	.6	1.7	.7		.3							75	75					
64/63	.1	.6	.8	2.1	1.8	2.1	1.7	1.2	.2	.2								99	99	7	3			
62/61	.1	1.0	1.8	2.8	3.1	1.2	1.6	1.1	.6	.3								124	124	19	9			
61/59	.2	1.3	2.6	2.6	2.4	1.6	1.4	1.3	.6	.1								124	124	66	13			
58/57		2.1	.8	2.3	1.5	.6	.9	.7		.1								53	83	78	24			
56/55	.2	.9	3.6	1.9	1.0	1.4	1.4	.6	.1	.1								101	101	142	61			
54/53		.6	1.7	1.3	2.0	1.4	.4	.2	.2									73	73	114	73			
52/51	.1	1.0	.8	.7	1.2	1.0	.3	.1										47	47	116	62			
50/49		.4	.4	.6	1.0	.7	.2	.1										33	33	104	121			
48/47			.6	.2	.3	.2	.2											14	14	57	65			
46/45			.3	.3	.3	.3												9	9	74	86			
44/43		.1			.3	.2												6	6	47	48			
42/41		.3		.1	.3													7	7	31	51			
40/39		.1																1	1	19	59			
36/37				.1														1	1	11	52			
36/35																				8	48			
34/33																				5	29			
32/31																					22			
30/29																					20			
28/27																					15			
26/25																					13			
24/23																					7			
22/21																					9			
20/19																					3			
18/17																					3			
16/15																					3			
12/11																					1			
TOTAL	.8	9.1	13.6	16.7	18.1	14.8	11.7	8.7	4.3	1.8	.6							900	900	900	900			
Element (K)	2x <sup>1</sup>		2x		x		x		No. Obs.		Mean No. of Hours with Temperature													
Rel. Hum.	3594378		54560		50.817.786		900		± 0 F.		± 32 F.		± 67 F.		± 73 F.		± 80 F.		± 93 F.		Total			
Dry Bulb	3197623		53361		59.33.136		900						10.3		.5						90			
Wet Bulb	2412436		45294		51.45.889		900														90			
Dew Point	1862426		40102		44.69.168		900				9.6										90			



## PSYCHROMETRIC SUMMARY

67-70, 73-78

242

STATION

STATION NAME

**YEARS**

142614

PAGE 1

2900-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-79

232

**STATION**

STATION NAME

YEARS

MS-2011

PAGE 2

2950-1100

PICTURE (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**YEARS**

PAGE 1 1200-1400  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004

KIRTLAND AFB NM

67-70, 73-78

SEP

**STATION**

STATION NAME

YFARS

**MONTH**

PAGE 2

1200-1400

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17	18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
24 / 23																						9			
22 / 21																						10			
20 / 19																						14			
18 / 17																						2			
16 / 15																						1			
14 / 13																						1			
12 / 11																						2			
TOTAL		.2	.7	1.7	3.7	3.3	4.6	5.4	6.4	9.4	13.1	13.0	13.8	11.2	6.6	3.0	1.9			900		900			
																			900		900				
																					</				



## PSYCHROMETRIC SUMMARY

2- 04

KIPTLAND AFB NM

67-70, 73-78

232

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1500-1700

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27304

AIRTLAND AFB NM

67-70, 73-78

25

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1500-1700

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

20004

KIRTLAND AFB NM

67-70, 73-78

SEP

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

1800-2000  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL					
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point							
89																	.1	.2	3	3							
87																	.4	.6	11	11							
85													.2	.2	.4	.3	.1	.2	14	14							
83												.2	.1	.2	1.2	.4		.1	21	21							
81											.2	.4	.4	1.4	1.0	.6	.1		38	38							
79										.3	1.0	1.2	1.2	1.1	.6	.1			50	50							
77							.1	.4	.7	1.3	.8	1.1	2.2	1.3	.3				75	75							
75							.1	.7	.7	1.9	2.6	1.3	1.1	.7					81	81							
73					.1	.1	.8	1.6	1.6	1.7	2.4	1.8	1.6						104	104							
71				.1	.1	.8	1.2	.9	1.8	2.1	1.8	1.0	.9						96	96							
69				.1	.9	.7	.8	1.7	2.0	1.2	1.8	1.2	.3						96	96							
67			.3	.3	.6	1.2	1.6	1.2	.4	.4	.9	.7		.1					79	79							
65			.8	.8	2.0	.7	.9	.9	.7	.7	.2	.3	.1						72	72	5						
63		.2	.7	.8	.6	.9	.6	.1	.9	.4	.4								50	50	26						
61		.3	.4	1.2	.6	.7	.2	.4	.3	.2	.2	.1							43	43	67						
59		.3	.7	.7	.1	.4	.6	.3	.7		.1								35	35	99						
57		.4	.1	.2			.2	.1											10	10	145						
55			.4	.2	.1	.3	.2	.1		.1									14	14	155						
53			.2	.4	.1	.2			.1										10	10	144						
51			.2	.1	.2	.1													6	6	89						
49						.1													1	1	72						
47																					43						
45																					31						
43																					14						
41																					7						
39																					2						
37																					1						
35																											
33																											
32																											
30																											
28																											
26																											
24																											
Element (X)	Σx'				Σx				Σx				Σx				No. Obs.				Mean No. of Hours with Temperature						
Rel. Hum.																					± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total
Dry Bulb																											
Wet Bulb																											
Dew Point																											



## PSYCHROMETRIC SUMMARY

27204

KIRTLAND AFB NM

67-75, 73-78

SEP

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1800-2000

HOURS L. S. T.:

[illegible]



## PSYCHROMETRIC SUMMARY

27504

KIRTLAND AFB NM

67-70, 73-79

SfP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

2200 2200  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

SEP  
1961

2100-2300  
HOURS (L. S. T.)

[illegible]

**USAFETAC** 0-26-5 (Q1A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

23' 04      AIRLAND AFS NM

67-72, 73-78

SEP

**STATION**

STATION NAME

YEARS

**MONITOR**

PAGE 1

At 1

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
97/95																	.0	1	1																
94/93																	.1	6	6																
92/91																.0	.0	39	39																
91/89																.2	.2	50	50																
88/87												.0	.2	.3	.4	.3	.2	104	104																
86/85											.1	.2	.3	.5	.5	.2	.1	129	129																
84/83									.0	.1	.3	.4	.5	.9	.7	.3	.0	233	233																
82/81									.0	.3	.5	.8	1.0	.9	.4	.2		307	307																
80/79								.1	.3	.6	.8	.9	.7	.9	.2	.0		322	322																
78/77					.0	.1	.2	.7	.7	.9	.8	.9	.4	.1	.0			351	351																
76/75				.0	.0	.1	.6	.7	.9	.6	.7	.6	.3	.0				340	340																
74/73				.0	.1	.6	.9	.8	.7	.9	.6	.4	.1					373	373																
72/71			.1	.1	.6	.9	.9	1.0	.7	.6	.4	.2	.1					393	393																
70/69		.0	.1	.4	.9	1.2	1.0	1.0	.8	.5	.3	.1						460	460																
68/67		.0	.1	.3	.9	.9	1.3	1.1	.8	.5	.4	.2	.1					473	473	5															
66/65		.1	.4	.7	1.4	1.1	1.1	1.1	.7	.5	.3	.2	.0					555	555	53	1														
64/63	.0	.4	.7	1.0	1.3	1.4	1.3	.8	.7	.3	.2	.0	.0					582	582	245	15														
62/61	.0	.7	1.0	1.4	1.5	.9	.9	.7	.5	.3	.1	.0						581	581	499	56														
60/59	.0	.8	1.3	1.5	1.2	1.0	.7	.6	.4	.2	.1							565	565	834	90														
58/57		.9	.7	1.0	1.0	.6	.4	.5	.1	.1								389	389	1036	197														
56/55	.1	.3	1.2	.8	.5	.7	.7	.2	.1	.0								345	345	1054	388														
54/53	.0	.3	.8	.5	.5	.6	.4	.1	.1									236	236	914	500														
52/51	.0	.2	.3	.3	.5	.3	.3	.1	.0									143	143	789	491														
50/49		.1	.2	.3	.4	.3	.2	.1										103	103	574	624														
48/47			.2	.2	.2	.0	.1											45	45	360	549														
46/45			.1	.1	.1	.1	.0											35	35	310	598														
44/43		.1	.0	.0	.1	.1												21	21	229	462														
42/41		.0	.0	.1	.1													14	14	131	479														
40/39		.0	.0															4	4	87	450														
38/37			.0															1	1	49	426														
36/35																				21	366														
34/33																				9	361														
32/31																					306														
30/29																					229														
Element (X)	2X			2X			X			X			No. Obs.			Mean No. of Hours with Temperature																			
Rel. Hum.																≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total													
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

25034

KISTLAND AFB NM

67-72, 73-76

SEP

**STATION**

STATION NAME

**YEARS**

**MONTH**

PAGE 2

ALL

MCURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27-24

KIRTLAND AFB NM

67-70, 73-78

001

STAT 124

STATION NAME

VF409

CC  
\_\_\_\_\_

PAGE 1

0000-0200

HOURS (h, s, t.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point															
57/67									.1	.1								2	2																
67/65					.2				.4		.6							12	12																
74/67				.3		.3	.2	.1	.6	.1								14	14																
72/61			.1	.2	.5	.3	1.2	.3	1.5	.2	.2							41	41																
77/59		.3	.2	.4	.6	.8	1.0	1.1	1.1	.2	.1							56	58	1															
77/57			.4	.1	.5	.3	1.3	1.0	.8	.6								52	52	8															
50/55		.5	.3	.9	.6	1.1	1.3	1.4	.3	.2								67	67	11															
74/53		1.0	.4	.4	1.3	2.0	1.4	2.2	.3	.1								90	90	24															
72/51	.2	.9	.4	1.0	2.2	2.4	1.9	1.5	.3									100	100	36															
50/49	.1	1.0	.8	2.0	1.7	1.6	1.7	1.3	.2									97	97	47															
46/47		1.0	1.4	1.2	1.7	3.3	2.7	.5										110	110	54															
46/45		.6	1.3	1.5	1.4	1.7	1.2	.3										76	76	98															
44/43		.8	.2	1.1	.8	1.2	1.4											50	50	116															
72/41		1.0	.6	.5	.4	1.3	.8											44	44	100															
40/39		1.2	.5	.6	1.4	.4	.3											42	42	113															
38/37	.1	.9	.5		.2	.5	.1											22	22	101															
36/35	.1	.3	.8	.5	.5	.2												23	23	73															
34/33	.1	.5	.8	.3	.1	.2												19	19	53															
72/31		.1	.1	.1	.1													4	4	38															
30/29		.1	.1	.2	.2													6	6	25															
28/27		.1																1	1	18															
26/25																				3															
24/23																				4															
22/21																																			
20/19																																			
18/17																																			
16/15																																			
14/13																																			
12/11																																			
10/9																																			
8/7																																			
6/5																																			
TOTAL	.6	10.2	9.1	12.0	15.2	17.7	17.9	10.2	4.8	2.2	.3							930	930	930															
Element (X)	Σx <sup>2</sup>	Σx	X	x <sub>o</sub>	No. Obs.	Mean No. of Hours with Temperature																													
Rel. Hum.	2812773	47767	51.4	19.667	930	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																							
Dry Bulb	2349258	46213	49.7	7.551	930		1.1	.2				93																							
Wet Bulb	1614748	38354	41.1	6.595	930		9.3					93																							
Dew Point	979104	26564	30.7	10.468	930		52.8					93																							



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

23104 KIRTLAND AFB NM

67-70, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	Dry Bulb	Wet Bulb	Dew Point			
67/55										.1								1	1				
47/53				.1	.3				.1									5	5				
27/51			.1	.2		.1	.3	.3	.5									15	15				
27/59		.4	.2	.3	.2	1.2	.3	.2	.1	.3								31	31				
57/57		.2	.3	.6	.5	1.0	.6	.5	.1									35	35	7			
58/55		.3	.3	.4	.3	1.1	1.4	.1	.2	.1								44	44	9			
58/53		1.1	.5	.5	1.2	1.4	1.4	.4	.4									65	65	14			
72/51		1.3	.3	1.0	2.2	2.0	1.2	.3	.3	.1								85	85	26			
50/46		.6	.6	2.3	2.7	1.5	1.7	.5	.2									95	95	43			
47/47	.2	1.3	1.3	1.6	2.7	1.5	1.0											69	69	44			
46/45		.5	1.8	2.3	2.5	2.3	1.2	.2										101	101	63			
54/43	.1	1.5	1.2	2.5	2.0	2.4	.9	.1										99	99	55			
42/41		1.6	.8	1.5	2.4	1.8	.3											78	78	117			
40/39	.1	1.6	.4	.6	1.3	1.3	.2											52	52	111			
35/37	.4	1.0	1.4	.4	1.2	.9												50	50	112			
36/35	.2	.6	.5	.2	1.0	.2												26	26	80			
34/33		1.2	.6	.3	.6													26	26	78			
32/31	.1	.2	.4	.1	.4													12	12	60			
27/29		.4	.4	.6	.2													16	16	31			
25/27		.1	.2	.1														4	4	23			
26/25			.1																	15			
24/23																		1	1	10			
22/21																				2			
20/19																							
18/17																							
16/15																							
14/13																							
12/11																							
10/9																							
8/7																							
6/5																							
4/3																							
TOTAL	1.2	14.6	11.7	16.2	21.7	18.3	10.5	3.0	2.0	.6								930	930	930			
Element (X)	2x <sup>2</sup>	2x	x	x <sup>2</sup>	No. Obs.		Mean No. of Hours with Temperature																
Rel. Hum.	3384698	53144	57.1	19.350	930		≤ 6 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total										
Dry Bulb	2060250	43232	46.5	7.378	930			3.3					93										
Wet Bulb	1497418	36776	39.5	6.814	930			18.1					93										
Dew Point	778183	28581	30.7	10.366	930			51.3					93										

USAFETAC FORM 10-20-5 (101 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

27.34

WIRTLAND AFB NM

67-75, 73-78

657

STATION

STATION NAME

YEARS

[illegible]

PAGE 1

3609-0805

HOURS 16.3.7.1

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-78

OCT

STAT:20

STATION NAME

Y. ARS

SECRET

0467 2

2600-0800

MOORE & S. F.

[illegible]

**USAFETAC** FORM 0-26.5 (OLA)  
JUL 64



## PSYCHROMETRIC SUMMARY

**YEARS**

GCT  
MCMTM

PAGE 1 C9CO-1100  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

OCT

**MONTH**

0900-1150

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
12/ 11																						10										
10/ 9																						5										
8/ 7																						1										
TOTAL		3.1	3.7	7.6	8.3	9.9	14.3	14.9	14.2	11.3	7.6	3.8	1.1						930		930											
																			930		930											



## PSYCHROMETRIC SUMMARY

2704

KIRTLAND AFB NM

67-70, 73-78

ССТ

STATION

STATION NAME

YEARS

MONTH

PAGE 1

12CG-146J

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

OCT

**MONTH**

1200-1400

HOURS (L, S, T.)

[illegible]



27004 AIRTLAND AFB NM

## OCT

67-75, 73-78

YEARS

MONTH

PAGE 1 1500-1700  
HOURS (L. S. T.)

**USAFETAC**  
FORM 0-26-5 (01-A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**



## PSYCHROMETRIC SUMMARY

23504

AIRTLANO AFB NM

67-70, 73-78

OCT

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2304 KIRTLAND AFB NM

67-70, 73-78

OCT

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1 1600-2000

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27504

KIRTLAND AFB NM

67-70, 73-78

OCT

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

1800-2360

**HOURS (L. S. T.)**

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-78

057

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1 2100-2300

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-74

GCT

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

2100-2300

HOURS (L, S, T,)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7																							9												
4																							1												
7																							2												
7																							1												
-7																							1												
TOTAL	.5	5.7	9.6	5.8	11.4	11.1	14.5	17.5	13.7	6.6	2.7	.6	.2							929	930	929													
							</																												



## PSYCHROMETRIC SUMMARY

23 34

AIRLAND AFF 24

67-73, 73-78

GCT

### STATION

STATION NAME

**YEARS**

MENTIN

PAGE 1

ALL

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

21394

W. J. P. T. L. A. F. B. A. M.

67-72, 73-76

GCT

**STATION**

STATION NAME

**YEARS**

MACINTOSH

PAGE 2

ALL

HOURS 11, 5, 7, 11

[illegible]



## PSYCHROMETRIC SUMMARY

67-72, 73-78

NOV

**STATION**

**STAY ON TASK**

**YEARS**

110

PAGE 1

0000-0200

NETS: 5.11

[illegible]



## PSYCHROMETRIC SUMMARY

27004

\* IRTLAND AFS NH

67-70, 73-75

KEY

STAT-136

STATION NAME

**YEARS**

MONITOR

PAGE 2

0000-0200

10245 10. 3. 71

[illegible]



## PSYCHROMETRIC SUMMARY

NOV

**MONTH**

PAGE 1 0300-0500  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

NOV

**MONTH**

0300-0500

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

NOV

MONTH

0600-0800

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

2-004 KIRTLAND AFB NM

67-70, 73-78

40 V

STATION

STATION NAME:

YEARS

MONTH

PAGE 2

0600-0800

HOURS (L - S - T - )

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
-1.7 - 1.5 T T L	4.5	24.7	26.3	19.6	12.0	9.0	3.2	.7												896	900	898										
														</																		



## PSYCHROMETRIC SUMMARY

67-70, 73-78

NOV  
MONTH

PAGE 1 C900-1100  
NOV 5 11 51 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL D.B./W.B.	TOTAL																				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																														
77/69											.1							1	1																															
67/65												.3						3	3																															
54/53					.1			.1		.2	.4	.1						9	9																															
52/61								.1	.3	.6	.2							13	13																															
57/59					.3	.1	.2	.4	1.3	1.0	.1							32	32																															
57/57			.1	.1	.3		.1	1.0	1.7	.3	.1							34	34																															
56/55			.3	.4	.1	.2	.9	2.2	1.1	.6								53	53	1																														
54/53				.1	.1	.3	1.6	2.1	1.1	.2	.1							53	53	3																														
52/51			.3	.1	.9	1.6	3.1	1.6	.6	.1								74	74	7																														
50/49			.6	.4	1.6	1.8	2.3	1.2	.6									76	76	10	4																													
47/47		.4	.3	1.0	2.2	3.7	2.1	1.2	.1									100	100	10	3																													
47/45		.3	.1	1.1	2.7	2.1	2.0	.6										80	80	30	6																													
47/43			.4	1.6	2.6	1.3	1.1	.4										67	67	75	17																													
42/41			.7	2.1	2.0	1.0	.3											55	55	111	6																													
37/39		.2	.6	2.4	2.1	1.0	.7											63	63	121	3																													
38/37		.2	.9	1.7	.6	1.0												39	39	108	16																													
36/35	.1	.1	1.6	1.8	1.2	.3												46	46	112	28																													
34/33		.6	1.1	1.0	.3	.2												29	29	87	40																													
32/31		.4	1.3	.8	.6	.1												31	31	71	47																													
30/29		.2	.8	.6														14	14	54	79																													
28/27		.1	.3	.2														6	6	42	74																													
26/25			.3	.3	.1													7	7	21	106																													
24/23			.1	.2	.1													4	4	19	96																													
22/21																				3	75																													
20/19			.1															1	1	4	80																													
18/17			.1															1	1	3	52																													
16/15																				1	51																													
14/13	.1	.1	.1															3	3	3	34																													
12/11	.2																	2	2	2	14																													
10/9		.1																1	1	1	26																													
8/7		.1																1	1	1	16																													
6/5		.1																1	1	1	12																													
4/3																				1	3																													
2/1		.1																1	1		3																													
Element (X)	ΣX <sup>4</sup>				ΣX <sup>3</sup>				ΣX <sup>2</sup>				ΣX				No. Obs.				Mean No. of Hours with Temperature																													
Rel. Hum.																													≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total															
Dry Bulb																																																		
Wet Bulb																																																		
Dew Point																																																		



## PSYCHROMETRIC SUMMARY

27134 KIRTLAND AFB NM

67-72, 73-76

NOV

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

0900-1100

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
7 -1																					1	3										
-2 / -3																						3										
-4 / -5																						2										
-7 / -11																						1										
TOTAL	.4	3.2	10.2	16.0	18.1	14.8	14.7	11.0	6.8	3.3	1.3	.1							900	900		900										



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AF Weather Service/MAC

# PSYCHROMETRIC SUMMARY

21 04 KIRTLAND AFB NM

67-70, 73-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point																	
77/ 75																																	1	1			
74/ 73																																	1	1			
72/ 71																																	2	2			
71/ 69																																	28	28			
68/ 67																																	29	29			
67/ 65																																	42	42			
64/ 63																																	64	64			
62/ 61																																	65	65			
57/ 59																																	86	86			
56/ 57																																	67	68	1		
55/ 55																																	94	94	2		
54/ 53																																	73	73	7		
52/ 51																																	76	76	9		
50/ 49																																	53	53	20		
48/ 47																																	43	43	77		
46/ 45																																	25	25	124		
44/ 43																																	36	36	143		
42/ 41																																	20	20	121		
40/ 39																																	21	21	107		
38/ 37																																	14	14	89		
36/ 35																																	26	26	67		
34/ 33																																	12	12	39		
32/ 31																																	4	4	35		
30/ 29																																	1	1	26		
28/ 27																																	1	1	17		
26/ 25																																	1	1	7		
24/ 23																																	1	1	3		
22/ 21																																	1	1	2		
20/ 19																																	1	1	1		
18/ 17																																	1	1	2		
16/ 15																																	1	1	1		
14/ 13																																	2	2	1		
12/ 11																																	2	2	1		
10/ 9																																	2	2	1		
Element (X)	Σ X <sup>2</sup>					Σ X					Σ					Σ					Σ					Σ					Σ						
Rel. Hum.																																					
Dry Bulb																																					
Wet Bulb																																					
Dew Point																																					

FORM 0-26-5 (OL A) REVISI PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC



## PSYCHROMETRIC SUMMARY

405

**MONTH**

1200-1400

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-73, 73-75

✕

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

1500-1700

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-72, 73-79

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STAT-24

STATION NAME

**YEARS**

NAME: \_\_\_\_\_

PAGE 2

153G-1790

HOURS (L - S - T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-78

NOV

STATION

STATION NAME

YEARS

**MCNTM**

PAGE 1

1600-2000

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

27004 \*IPTLAND AFB NM

67-75, 73-76

REV

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

1630-2000

1985 250  
HOURS 11-5-7-1

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
77 -																					5				
76 -																					3				
75 -																					4				
74 -																					1				
73 -																									
72 -																									
71 -																									
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68 -																									
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3 -																									
2 -																									
1 -																									
0 -																									
31 L		4.6	3.8	10.3	14.9	15.3	16.7	13.1	7.9	4.4	2.4	.3						900	900	900					



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR FATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 04 - IRTLAND AFB AM

57-70, 73-76

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
7/ 50									.1	.3								4	4																
7/ 57			.2	.1				.1	.6	.1	.1							11	11																
56/ 55					.1			.3	.6	.9	.1							18	18																
54/ 53			.3	.2				.2	.7	.7								15	15	3															
27/ 51		.3	.2		.2	.4	1.2	1.1	.1	.1								34	34	1	1														
50/ 4		.6	.1	.4	1.1	1.4	1.8	2.0	.4									71	71	10	3														
47/ 47	.2	.2	.7	1.0	2.1	2.1	1.9	1.1	.2									86	86	7	11														
46/ 45		.2	.9	1.2	1.8	2.1	2.3	.7										83	83	7	2														
47/ 43	.1	.3	.6	1.3	2.9	2.4	1.6	.2										85	85	28	7														
42/ 41		.2	.9	2.1	2.4	2.6	1.4											87	87	50	8														
37/ 39	.1	.7	1.4	3.1	2.7	2.7	.9											104	104	75	6														
38/ 37		.6	1.9	1.4	1.3	1.3	.9											67	67	109	16														
36/ 35	.2	.6	1.9	1.4	1.8	.8												60	60	119	27														
34/ 33	.2	.3	1.1	1.2	1.7	.3												44	44	127	36														
32/ 31	.3	1.1	.8	.8	.8	.4												39	39	112	40														
30/ 29		.4	1.7	.3	.1													23	23	72	57														
28/ 27	.3	.4	1.0	.1	.2													23	23	59	63														
26/ 25		.8	1.0	.6	.1													22	22	56	78														
24/ 23		.3	.1	.7														10	10	23	77														
22/ 21		.1		.1														2	2	16	73														
20/ 19																				9	80														
18/ 17		.2																2	2	4	69														
16/ 15	.1	.2																3	3	4	48														
14/ 13	.1																	1	1	3	52														
12/ 11																					46														
10/ 9																					29														
8/ 7		.2																2	2	1	12														
6/ 5		.1																1	1	1	20														
4/ 3		.2																2	2	3	14														
2/ 1	.1																	1	1	1	13														
0/ -1																					4														
-2/ -3																					3														
-4/ -5																					3														
Element (X)	Z <sub>1</sub>					Z <sub>2</sub>					X					No. Obs.					Mean No. of Hours with Temperature														
Rel. Hum.																					≤ 0 F		≤ 32 F		≤ 67 F		≤ 73 F		≤ 80 F		≤ 93 F		Total		
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			

7419 FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
USAFETAC



## PSYCHROMETRIC SUMMARY

2704 4131LAND AFB NM

67-70, 73-76

NOV

STAT:24

STAT-100-1-AM

**TABLE**

8-7887-00

PAGE 2

2100-2300

MO:MS (L-3-T-)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
1.1	1.7	8.7	14.9	16.2	19.5	16.7	12.7	6.5	2.4	.7									900		900											
																			900		900											



## PSYCHROMETRIC SUMMARY

2104 AIRTLAND AFB NM

67-70, 73-78

1

STATION

STATION NAME:

YEARS

MONTH

PAGE 1

ALL

HO-85 (1-5-7)

Temp. (F.)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point									
77/ 75														.1				4		4										
74/ 73												.0	.1	.0				5		5										
72/ 71											.0	.1	.3	.1				34		34										
70/ 69							.0			.1	.1	.3	.3	.0				57		57										
67/ 67						.0	.0	.0	.0	.0	.2	.4	.3	.0				72		72										
66/ 66						.0	.0	.0	.0	.3	.5	.4	.1	.0				101		101										
64/ 63					.0	.0	.1	.1	.1	.2	.7	.6	.1					135		135										
62/ 61				.0	.1	.1	.0	.1	.4	1.0	.5	.1						161		161										
59/ 59				.0	.0	.0	.2	.5	.9	.9	.4	.1						225		225										
58/ 57		.0	.1	.0	.1	.2	.2	.7	1.0	.8	.2	.1						236		237	4									
56/ 55		.0	.1	.1	.2	.3	.7	1.2	1.1	.9	.1							303		303	6									
54/ 53		.1	.2	.1	.1	.4	.9	1.3	1.1	.9	.0							281		281	22									
52/ 51		.2	.2	.1	.4	.7	1.4	1.3	.5	.2	.0							365		365	35									
50/ 49		.3	.2	.4	.6	.9	1.7	1.3	.3	.0								406		406	101									
48/ 47	.3	.3	.4	.4	1.0	1.5	1.5	.7	.2									435		435	197									
47/ 46		.3	.5	.9	1.2	1.6	1.4	.5	.0									466		466	324									
45/ 43	.1	.1	.3	1.0	2.0	1.7	1.0	.3										490		490	504									
44/ 41		.1	.7	1.4	1.6	1.4	.6	.0										430		434	547									
43/ 39	.1	.5	1.2	1.8	1.7	1.5	.4											520		520	649									
39/ 37		.1	1.7	1.7	1.3	.9	.2											463		463	701									
37/ 35	.3	.7	1.8	1.9	1.4	.5	.1											472		472	768									
34/ 33	.1	1.1	1.7	1.6	1.0	.3	.0											414		414	712									
32/ 31	.2	1.2	1.4	1.0	.8	.2												337		337	701									
30/ 29	.2	.6	1.3	.8	.3	.0												228		229	583									
27/ 27	.1	.7	.8	.4	.2													163		166	428									
26/ 25	.1	.6	.3	.3	.1													119		120	329									
24/ 23	.0	.6	.4	.3	.0													82		82	219									
22/ 21	.1	.5		.1														62		62	127									
20/ 19	.0	.2	.1	.1														28		28	84									
18/ 17	.0		.1															19		19	42									
17/ 15	.0	.1	.0															8		8	21									
14/ 13	.1	.2	.0															19		19	21									
12/ 11	.0	.1	.0															9		9	15									
7/ 5		.1																5		5	9									
Flamen' (X)		ΣX'		ΣX		X		ΣX		No. Obs.		Mean No. of Hours with Temperature																		
Rel. Hum.												± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F								
Dry Bulb																						Total								
Wet Bulb																														
Dew Point																														



## PSYCHROMETRIC SUMMARY

NOV

YEARS

MONTH

PAGE 2

444

ALL  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

22 04 KIRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0000-0200  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point				
27 / 51							.1	.3										1	1					
5 / 45							.5	.2	.1	.1								5	5					
47 / 47						.2	.1	.1										8	8					
47 / 45					.2	.1	.1											4	4					
47 / 43		.1	.1	.5	.6	.3	.2											18	18					
42 / 41		.4	.6	.5	.5	.4												24	24	3				
47 / 39	.3	.5	.9	.4	.8	.6												31	31	19				
38 / 37		.4	.5	2.8	1.8	.2												54	54	29				
38 / 35	.4	.3	1.8	2.7	1.9	.8												73	73	24				
34 / 33	.3	.9	3.3	4.8	1.9	.1												106	106	30				
27 / 31	.4	.5	3.7	3.8	1.1	.1												89	89	74				
31 / 29	.4	1.9	4.5	4.4	.6													111	111	99				
28 / 27	.3	3.1	3.7	1.4	.4													83	83	117				
26 / 25	.5	2.3	5.5	1.6	.2													94	94	138				
24 / 23	.4	2.8	3.7	1.4	.1													82	82	115				
22 / 21	.2	4.1	1.6	.4														59	59	110				
20 / 19	.3	2.5	1.0	.1														36	36	73				
17 / 17	.5	.4	.6															16	16	48				
16 / 15	.3	.1	.8															11	11	19				
14 / 13	.2	.4																6	6	8				
12 / 11	.2	1.0	.1															12	12	12				
10 / 9		.3																3	3	10				
5 / 7			.3															3	3	2				
6 / 5	.1																	1	1	4				
87 / 3																				16				
2 / 1																				23				
0 / -1																				3				
-2 / -3																				2				
-4 / -5																				3				
-6 / -7																				4				
TOTAL	5.822	2.32	6.24	9.10	2	3.3	.9	.2	.1									930	930	930				
Element (X)	Σx <sup>2</sup>	Σx	Σx	Σx	Σx	Σx	Σx	Σx	Σx	No. Obs.	Mean No. of Hours with Temperature						Total							
Ref. Hum.	3825085	57747	62.6	16.052	930	≥ 0 F	≥ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				93									
Dry Bulb	855893	27389	29.5	7.283	930		60.6								93									
Wet Bulb	635584	23642	25.3	6.100	930		82.9								93									
Dew Point	331172	16020	17.2	7.709	930	1.2	89.5								93									



## PSYCHROMETRIC SUMMARY

27.04 KIRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0300-0560

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-70, 73-78

DEC

STAT:56

STATION NAME

YEARS

**MONTH**

PAGE 1

0630-0530

**HOURS: 11 - 5 - T-1**

[illegible]



## PSYCHROMETRIC SUMMARY

27.04 KIRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

0900-1100

HOURS (L, S, T.)

[illegible]



## PSYCHROMETRIC SUMMARY

21024

KIRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 2

3900-1100

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
71.1	0.5	1.0	2.0	5.25	4.20	6.12	2.5	1.9	.4	.3									93.0		93.0	93.0



## PSYCHROMETRIC SUMMARY

2004 AIRLAND AFS NM

67-70, 73-79

DEC

STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 1

1200-1400  
MOUTS (1-5-7)

[illegible]



## PSYCHROMETRIC SUMMARY

67-72, 73-75

330

STATION

STATION NAME

YF 109

ADDENDUM

PAGE 2

1200-1400  
HOURS (L-S-T)

[illegible]



## PSYCHROMETRIC SUMMARY

21 34 KERTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 1

1500-1700

1700 170  
HOURS (L - S - T.)

[illegible]



## PSYCHROMETRIC SUMMARY

67-72, 73-78

250

### STATION

STATION NAME

**YEARS**

**MONTH**

PAGE 2

1500-1700  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B.-W.B.	Dry Bulb	Wet Bulb	Dew Point	
- / -																						5
- / -3																						10
- / -5																						5
- / -C																						2
1-1-L	1.2	3.4	4.8	10.7	10.7	17.1	16.0	17.3	15.4	6.7	1.1	.3	.2							929	929	929
																			929		929	



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AT: WEATHER SERVICE/HAC

# PSYCHROMETRIC SUMMARY

27.04 PORTLAND AFB NM

67-70,73-76

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1600-2030

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
57/ 57									.1									1		1																
57/ 55									.1	.3								4		4																
54/ 53								.1	.2	.1								5		4																
52/ 51						.2	.3	1.1	.2									17		17																
51/ 49					.1	.4	1.2	.9	.1									25		25																
51/ 47				.3	.2	1.0	1.7	.4										34		34																
48/ 45			.1	.6	.3	2.2	1.6	.4										49		49																
47/ 43			.1	.3	1.8	1.6	1.5	.2										52		52																
47/ 41	.1	.4	.3	.6	1.4	2.8	1.2											62		62	18	1														
47/ 39	.1		.3	1.9	3.2	3.6	.5											90		90	26	5														
36/ 37	.1	.4	.3	2.4	4.4	2.5	.5											99		99	56	1														
36/ 35	.1	.6	1.8	5.3	2.8	1.7	.2											117		117	72	8														
36/ 33	.3	.2	1.4	3.2	2.8	.6	.1											83		83	97	16														
32/ 31	.1	.9	2.2	2.7	3.6	.4												91		91	138	19														
31/ 29	.3	.3	1.7	1.6	1.1													46		46	138	20														
28/ 27	.3	1.2	2.0	1.3	.6													51		51	105	21														
28/ 25	.3	1.5	1.3	1.1	.2													41		41	106	58														
24/ 23	.1	.8	1.3	.6	.1													27		27	80	63														
22/ 21	.1	.1	1.0															11		11	41	102														
20/ 19		.1	1.4															14		14	29	120														
18/ 17	.1		.2															3		3	17	100														
16/ 15	.1																	1		1	12	91														
14/ 13	.2		.1															3		3	3	55														
12/ 11		.1	.1															2		2		57														
10/ 9																																				
8/ 7																																				
6/ 5																																				
4/ 3																																				
2/ 1																																				
0/ -1																																				
-2/ -3																																				
-4/ -5																																				
TOTAL	2.6	6.7	15.7	22.1	22.8	17.0	8.6	3.1	1.0	.1								927		927		927														
Element (X)	Z <sub>x</sub>	Z <sub>y</sub>	X	Y	No. Obs.	Mean No. of Hours with Temperature										Total																				
Rel. Hum.	2506550	45496	49.117	191	927	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																								
Dry Bulb	1258552	33922	36.1	1.605	927		29.1					93																								
Wet Bulb	822176	27106	28.2	5.652	927		67.3					93																								
Dew Point	335963	16057	17.3	1.903	927	2.0	89.9					93																								



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AFW WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

27 04 - IRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 2100-2300  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	D.S./W.B.	Dry Bulb	Wet Bulb	Dew Point														
47/ 53									.1	.2								3	3																
42/ 51						.1	.1	.1										3	3																
57/ 49					.1	.3	.5	.2	.1									12	12																
47/ 47					.5	.8												12	12																
50/ 45				.5	.5	.9	.2	.4										24	24																
47/ 43			.1	.6	.8	1.4	.2											28	28																
42/ 41	.1	.1	.4	1.2	1.3	.8	.4											40	40	4	1														
47/ 39	.2	.4	.2	1.0	2.5	2.3	.1											62	62	24	3														
37/ 37		.4	1.1	2.0	1.7	1.3												61	61	37	3														
30/ 35	.1	1.1	2.4	4.7	2.4	1.1	.1											110	110	31	10														
30/ 32	.6	.3	1.8	4.7	1.8	.8												94	94	69	15														
27/ 31	.3	.5	4.0	3.8	1.8	.1												101	101	94	23														
20/ 29	.1	1.0	4.1	4.4	1.2	.1												101	101	112	16														
20/ 27	.5	1.5	2.5	2.0	.3													64	64	131	26														
20/ 25	.2	2.4	3.7	1.5	.1													73	73	125	54														
20/ 23	1.0	2.4	2.4	1.1	.1													64	64	117	69														
22/ 21	.3	1.4	.9	.1														25	25	87	103														
20/ 19		.5	1.6	.1														21	21	48	122														
18/ 17	.2		.8	.1														10	10	29	90														
16/ 15		.2	.4															6	6	11	67														
14/ 13	.1	.5	.1															7	7	13	71														
12/ 11		.1																1	1	6	63														
10/ 9	.1	.3																5	4	4	61														
8/ 7			.1															1	1	2	33														
6/ 5																				1	29														
4/ 3																					24														
2/ 1																					10														
0/ -1																					5														
-2/ -3																					1														
-4/ -5																					7														
-6/ -7																					1														
TOTAL	4.0	13.6	26.5	28.0	14.6	9.6	2.5	.9	.3										927	927	927														
																			927	927															
Element (X)	Σx <sup>2</sup>		Σx		Σ	Σ	No. Obs.		Mean No. of Hours with Temperature																										
Rel. Hum.	3245874		52610		56.8	16.760	927		± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F	Total																				
Dry Bulb	1015839		29893		32.2	7.485	927			48.0					93																				
Wet Bulb	715117		25153		27.1	5.935	927			76.4					93																				
Dew Point	341050		16252		17.5	7.785	927		1.4	89.8					93																				

USAFETAC FORM 0-26-3 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7626



## PSYCHROMETRIC SUMMARY

23-34 AIRLAND AFB TX

67-70, 73-75

230

STAT 128

STATION NAME

**YEARS**

**MCNIN**

Q. 437

ALL

42285 12-8-73

[illegible]



## PSYCHROMETRIC SUMMARY

2304

KIRTLAND AFB NM

67-70, 73-78

DEC

STATION

STATION NAME

**YEARS**

MONTH

PAGE 2

211

HOURS (L, S, T.)

Temp. (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
-1	-1																						45		
-2	-3																						31		
-4	-5																						26		
-6	-7																						11		
-8	-8																						2		
TOTAL		3.9	16.8	21.6	19.1	12.8	10.2	6.6	4.7	2.7	1.2	.2	.1	.0						7433		7433			
																				7433		7433			



## PSYCHROMETRIC SUMMARY

67-70, 73-79

ALL

STATION

STATION NAME

YEARS

**MONTH**

PAGE 1

All 1

HOURS (L - S - T -)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point															
105																		.3	3	3															
103																		.0	6	6															
101																		.0	43	43															
99																		.1	102	102															
97																	.0	.2	196	196															
95																.0	.0	.4	384	384															
93																.0	.1	.5	630	630															
91												.0	.0	.1	.1	.2	.2	.5	850	850															
89											.0	.0	.1	.2	.2	.2	.2	.4	1041	1041															
87									.0	.0	.1	.3	.3	.2	.2	.2	.2	.3	1211	1211															
85								.0	.0	.1	.3	.3	.3	.2	.2	.2	.2	.3	1385	1385															
83								.0	.0	.1	.3	.3	.3	.2	.2	.2	.1	.2	1547	1547															
81								.0	.1	.3	.3	.3	.3	.3	.2	.2	.1	.1	1837	1837															
79						.0	.0	.1	.3	.3	.3	.3	.3	.3	.2	.1	.1	.1	2032	2032															
77				.0	.0	.0	.1	.2	.4	.4	.4	.3	.3	.3	.2	.1	.0	.0	2247	2247															
75			.0	.0	.0	.0	.2	.4	.4	.4	.3	.3	.3	.3	.2	.1	.0	.0	2701	2701															
73			.0	.0	.0	.2	.4	.4	.3	.3	.3	.3	.3	.2	.2	.0			2725	2725															
71		.0	.0	.2	.4	.4	.4	.3	.3	.3	.3	.3	.3	.2	.1				2832	2832	1														
69		.0	.0	.2	.4	.4	.4	.3	.3	.3	.3	.3	.3	.2	.0				3271	3271	24														
67	.0	.1	.3	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.2	.0				3179	3179	247														
65	.0	.1	.3	.4	.4	.3	.3	.3	.3	.3	.3	.3	.3	.2	.0				3452	3452	1407														
63	.0	.1	.3	.2	.3	.3	.3	.4	.4	.4	.5	.2	.1	.0					3058	3058	3272														
61	.0	.2	.2	.3	.3	.2	.3	.3	.4	.5	.5	.1	.0						2955	2955	4566														
59	.0	.1	.2	.3	.2	.3	.4	.4	.6	.6	.7	.1	.0						2982	2982	4617														
57	.0	.1	.1	.2	.2	.3	.3	.4	.6	.5	.1	.0							2544	2545	4287														
55	.0	.1	.2	.2	.2	.4	.4	.6	.6	.4	.1	.0							2731	2732	3906														
53	.0	.1	.2	.1	.3	.4	.5	.6	.6	.2	.0								2577	2577	3792														
51	.0	.1	.1	.2	.4	.4	.7	.7	.4	.1	.0								2701	2701	3801														
49	.0	.1	.1	.3	.4	.5	.7	.7	.3	.0									2847	2847	3646														
47	.0	.1	.3	.4	.6	.9	.4	.1	.0										2821	2821	3605														
45	.0	.1	.3	.4	.5	.8	.7	.4	.0										2867	2867	3841														
43	.0	.2	.2	.4	.7	.8	.5	.2	.0										2675	2675	4108														
41	.0	.2	.3	.6	.7	.7	.3	.1											2615	2615	4200														
39	.0	.3	.5	.7	.8	.7	.3	.0											2888	2888	4296														
Element (X)	Σ x <sup>2</sup>			Σ x			Σ	Σ	No. Obs.			Mean No. of Hours with Temperature																							
Rel. Hum.												≤ 0 F.	≤ 32 F.	≥ 47 F.	≥ 73 F.	≥ 80 F.	≥ 93 F.	Total																	
Dry Bulb																																			
Wet Bulb																																			
Dew Point																																			



## PSYCHROMETRIC SUMMARY

67-70, 73-79

ALL

STATION

STATION NAME

**YEARS**

**MORTIMER**

PAGE 2

431

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
37/37	.1	.3	.6	.8	.7	.4	.1	.0										2757	2757	4353	3043				
36/35	.1	.4	.8	1.0	.7	.3	.0											2934	2934	4597	3001				
34/33	.1	.6	.7	1.0	.5	.1	.0											2662	2662	4257	3074				
32/31	.1	.6	1.0	.8	.4	.1	.0											2666	2666	4221	3887				
29/29	.2	.5	.9	.6	.2	.0												2187	2190	3829	3850				
28/27	.1	.7	.6	.4	.1	.0												1652	1655	3404	4291				
26/25	.1	.6	.6	.3	.0													1413	1419	2955	4854				
24/23	.1	.5	.4	.1	.0													1014	1014	2034	4216				
22/21	.1	.4	.3	.1														753	753	1521	5031				
20/19	.1	.4	.2	.1														627	627	1082	5713				
18/17	.1	.2	.1	.0														323	323	696	4425				
16/15	.0	.1	.1	.0														196	196	359	3939				
14/13	.0	.1	.0															166	166	247	2983				
12/11	.0	.1	.0															118	118	134	2529				
10/9	.0	.1	.0															86	86	128	2222				
8/7	.0	.0	.0															55	55	74	1539				
6/5	.0	.0																36	36	48	1033				
4/3	.0	.0																11	11	19	764				
2/1	.0	.0																10	10	13	618				
0/-1	.0	.0																2	2	3	395				
-2/-3	.0	.0																6	6	6	300				
-4/-5	.0																	3	3	3	215				
-6/-7	.0																	1	1	1	129				
-8/-9																					58				
-10/-11																					31				
-12/-13																					12				
-14/-15																					6				
-16/-17																					2				
-18/-19																					7				
-20/-21																					1				
-24/-25																					2				
-28/-29																					1				
TOTAL	1.5	7.7	10.1	10.0	9.7	9.1	3.6	7.8	6.8	5.8	4.9	4.2	3.6	3.0	2.3	1.7	3.1	87620	87627		87620				
																		87620		87620					
Element (X)	Z <sub>X</sub> <sup>1</sup>		Z <sub>X</sub>		T		e <sub>X</sub>		No. Obs.		Mean No. of Hours with Temperature														
Rel. Hum.	211732934		3827996		43.722.534		87620				± 0 F.		± 32 F.		± 67 F.		± 73 F.		± 80 F.		± 93 F.		Total		
Dry Bulb	503721102		4880532		55.719.075		87627				1.2		1132.7		2822.9		1894.6		1031.6		136.4		8760		
Wet Bulb	179329716		3795876		43.313.034		87620				1.3		2078.0		27.2								8760		
Dew Point	97064392		2608262		29.814.888		87620				115.8		5302.7										8760		



## PSYCHROMETRIC SUMMARY

23504

KIRTLAND AFB NM

67-70, 73-79

A: 4

STATION

STATION NAME

YEARS

**MONTH**

PAGE 2

614

ALL  
HOURS (L. S. T.)

[illegible]



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23004 KIRTLAND AFB NM

67-70,73-79

STATION		STATION NAME											YEARS											
HRS (LST)		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL										
00-02	MEAN	28.6	34.0	39.2	47.0	56.0	66.3	70.5	68.5	61.0	49.7	37.9	29.5	49.1										
	S D	7.571	6.630	7.322	7.845	7.363	6.809	4.511	4.364	5.727	7.551	7.967	7.283	16.212										
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956										
03-05	MEAN	26.5	31.7	35.9	42.9	51.9	61.8	67.5	65.4	57.8	46.5	35.3	27.2	45.9										
	S D	7.895	6.385	6.887	7.428	6.753	6.336	4.013	3.921	5.587	7.378	7.813	7.337	15.709										
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956										
06-08	MEAN	25.3	30.5	36.4	45.7	56.6	67.0	70.6	67.7	59.3	47.1	34.7	26.1	47.3										
	S D	8.135	6.403	7.393	8.468	7.826	6.959	4.824	4.843	6.136	7.816	8.203	7.253	17.550										
	TOTAL OBS	930	846	929	900	930	900	930	930	900	929	900	930	10954										
09-11	MEAN	33.2	39.7	47.4	57.9	67.7	78.3	80.4	77.6	69.8	58.7	45.5	34.9	57.7										
	S D	8.365	7.569	9.210	9.291	8.367	7.129	5.505	5.322	6.365	8.617	9.191	7.950	18.316										
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956										
12-14	MEAN	41.8	48.6	55.7	65.9	74.7	85.8	87.7	85.0	77.4	67.0	54.1	43.5	65.6										
	S D	8.773	8.941	10.270	9.855	9.450	7.699	5.989	5.750	6.883	9.231	9.706	8.750	18.182										
	TOTAL OBS	930	846	930	900	929	900	930	930	900	930	900	930	10955										
15-17	MEAN	43.4	51.2	57.8	67.3	76.3	87.7	88.4	86.5	78.8	68.7	55.0	44.4	67.2										
	S D	9.129	9.377	10.491	10.071	9.797	8.132	7.366	6.503	7.616	9.533	10.260	9.150	18.312										
	TOTAL OBS	930	845	930	900	930	899	930	929	900	930	900	929	10952										
18-20	MEAN	35.6	43.2	50.4	60.3	70.0	81.6	81.5	78.9	71.1	59.2	45.9	36.1	59.9										
	S D	8.212	8.173	9.588	9.880	9.621	8.446	7.751	6.810	7.380	8.521	8.951	7.605	18.518										
	TOTAL OBS	929	846	930	900	930	900	930	927	900	930	900	927	10949										
21-23	MEAN	31.5	37.9	43.6	52.5	61.7	71.5	74.3	72.4	64.7	53.6	40.9	32.2	53.2										
	S D	7.547	7.029	7.987	8.390	7.883	6.985	5.612	4.751	5.921	7.781	8.284	7.485	16.869										
	TOTAL OBS	930	846	930	900	930	900	930	926	900	930	900	927	10949										
ALL HOURS	MEAN	33.2	39.6	45.8	54.9	64.4	75.1	77.6	75.3	67.5	56.3	43.7	34.2	55.7										
	S D	10.322	10.449	11.780	12.653	12.024	11.634	9.528	9.202	9.946	11.553	11.514	10.209	19.078										
	TOTAL OBS	7439	6767	7439	7200	7439	7199	7440	7432	7200	7439	7200	7433	87627										



2  
GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

WE1-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23004 KIRTLAND AFB NM

67-70, 73-79

STATION	STATION NAME												YEARS
HRS (LST)	JAN	FEB.	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
00-02	MEAN 25.4	29.0	32.3	36.8	43.8	50.8	58.9	58.2	51.7	41.1	32.0	25.4	40.8
	S D 6.938	5.336	5.489	5.747	5.134	5.027	3.149	3.738	5.637	6.595	6.796	6.100	12.963
	TOTAL OBS 930	846	930	900	930	900	930	930	900	930	900	930	10956
03-05	MEAN 24.0	27.7	30.5	34.7	42.2	49.2	58.0	57.2	50.5	39.5	30.5	23.9	39.1
	S D 7.286	5.452	5.548	5.968	5.425	5.419	3.464	4.038	5.832	6.814	6.854	6.328	13.219
	TOTAL OBS 930	846	930	900	930	900	930	930	900	930	897	930	10953
06-08	MEAN 23.1	27.0	30.8	36.7	45.1	52.1	59.6	58.4	51.4	40.2	30.2	23.2	39.9
	S D 7.510	5.634	5.717	6.297	5.498	5.051	3.142	3.919	5.889	6.981	7.051	6.398	14.082
	TOTAL OBS 930	846	929	900	930	900	930	930	900	929	898	930	10952
09-11	MEAN 28.4	32.6	36.9	42.6	49.6	56.1	62.5	61.6	55.8	46.1	36.4	28.9	44.9
	S D 7.025	5.345	5.798	5.648	4.659	4.249	2.507	3.105	4.950	6.263	6.690	6.101	12.995
	TOTAL OBS 930	846	930	900	930	900	930	930	900	930	900	930	10956
12-14	MEAN 33.1	36.9	40.3	45.1	51.3	57.4	63.5	62.6	57.7	49.2	40.5	33.6	47.6
	S D 6.471	5.176	5.547	5.202	4.318	3.775	2.358	2.907	4.335	5.553	6.273	5.874	11.632
	TOTAL OBS 930	846	930	900	929	900	930	930	900	930	899	930	10954
15-17	MEAN 33.8	37.9	40.9	45.3	51.2	57.2	62.9	62.1	57.4	49.2	40.6	33.9	47.7
	S D 6.415	5.133	5.327	4.769	4.023	3.422	2.304	2.794	4.078	5.207	6.321	5.864	11.209
	TOTAL OBS 930	845	930	900	930	899	930	929	900	930	900	929	10952
18-20	MEAN 29.5	33.8	37.6	42.4	49.0	55.5	61.3	60.3	54.8	45.2	35.1	29.2	44.6
	S D 6.645	5.242	5.327	5.073	4.262	3.739	2.433	3.035	4.783	5.811	6.449	5.652	12.186
	TOTAL OBS 929	846	930	900	930	900	930	927	900	930	900	927	10949
21-23	MEAN 27.2	31.2	34.5	39.3	46.1	52.9	60.1	59.0	52.8	42.9	33.5	27.1	42.3
	S D 6.702	5.291	5.338	5.387	4.560	4.455	2.798	3.492	5.318	6.212	6.634	5.935	12.592
	TOTAL OBS 930	846	930	900	930	900	930	926	900	929	900	927	10948
ALL HOURS	MEAN 28.1	32.0	35.5	40.4	47.3	53.9	60.9	59.9	54.0	44.2	34.9	28.2	43.3
	S D 7.799	6.538	6.708	6.708	5.767	5.294	3.365	3.896	5.763	7.171	7.678	7.132	13.034
	TOTAL OBS 7439	6767	7439	7200	7439	7199	7440	7432	7200	7438	7194	7433	87620



GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/HAC

## MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23004

KIRTLAND AFB NM

67-70, 73-79

STATION		STATION NAME												YEARS											
HRS IL ST -		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
00-02	MEAN	18.7	20.1	21.1	22.0	29.7	35.8	50.8	50.7	43.4	30.7	22.4	17.2	30.3											
	S D	8.968	8.154	9.180	10.204	10.255	10.724	7.259	7.576	9.610	10.468	9.610	7.709	14.983											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956											
03-05	MEAN	18.4	20.2	21.2	22.5	30.5	36.7	51.3	51.2	43.9	30.7	22.2	16.8	30.9											
	S D	8.793	7.856	8.823	9.821	10.149	10.762	7.076	7.312	9.203	10.366	9.385	7.733	15.065											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	897	930	10953											
06-08	MEAN	18.0	20.3	21.8	24.1	32.5	38.7	52.3	51.9	44.6	31.5	22.4	16.7	31.3											
	S D	8.824	7.846	8.264	9.410	9.540	9.915	6.517	6.951	9.168	10.222	9.147	7.717	15.129											
	TOTAL OBS	930	846	929	900	930	900	930	930	900	929	898	930	10952											
09-11	MEAN	19.9	21.6	22.3	23.8	31.2	37.6	51.3	51.2	44.7	32.7	23.8	18.5	31.6											
	S D	8.921	8.140	8.253	9.464	10.178	9.922	6.873	6.798	9.218	9.262	8.759	7.693	14.513											
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956											
12-14	MEAN	19.8	20.3	19.7	19.5	27.1	33.3	48.2	48.1	42.6	31.2	22.9	18.3	29.3											
	S D	8.974	8.866	9.334	10.938	11.203	10.703	7.663	7.729	9.535	9.806	8.851	7.911	14.406											
	TOTAL OBS	930	846	930	900	929	900	930	930	900	930	899	930	10954											
15-17	MEAN	18.9	18.6	17.4	16.6	24.4	30.2	46.1	45.7	40.2	28.9	21.7	17.4	27.2											
	S D	9.034	9.469	10.569	11.855	11.800	11.232	8.466	8.548	10.250	10.395	9.234	8.131	14.630											
	TOTAL OBS	930	845	930	900	530	899	930	929	900	930	900	929	10952											
18-20	MEAN	18.8	19.2	18.9	18.2	26.0	31.9	47.5	47.2	40.9	29.4	21.9	17.3	28.2											
	S D	9.281	9.259	10.205	11.718	11.812	11.269	8.866	8.872	10.443	10.880	9.590	7.903	14.859											
	TOTAL OBS	929	846	930	900	930	900	930	927	900	930	900	927	10949											
21-23	MEAN	19.0	19.9	20.6	21.1	28.4	34.6	50.2	49.4	42.3	30.2	22.0	17.5	29.7											
	S D	9.178	8.781	9.747	10.748	10.836	11.057	7.896	8.167	10.265	10.759	9.675	7.785	14.976											
	TOTAL OBS	930	846	930	900	930	900	930	926	900	929	900	927	10948											
ALL HOURS	MEAN	18.9	20.0	20.4	21.0	28.7	34.9	49.7	49.4	42.8	30.7	22.4	17.5	29.8											
	S D	9.013	8.602	9.447	10.841	11.054	11.044	7.885	8.049	9.840	10.406	9.302	7.843	14.888											
	TOTAL OBS	7439	6767	7439	7200	7439	7199	7440	7432	7200	7438	7194	7433	87620											



### RELATIVE HUMIDITY

444

MONIN

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	00-02	100.0	99.7	98.9	96.5	87.3	68.0	44.8	22.6	7.7	68.0	930
	03-05	100.0	100.0	99.7	97.5	93.2	80.0	57.2	30.9	13.4	72.7	930
	06-08	100.0	100.0	99.8	98.4	93.9	84.3	64.6	34.8	14.8	74.8	930
	09-11	100.0	100.0	98.1	88.5	68.3	44.3	25.5	14.7	7.8	60.2	930
	12-14	100.0	97.5	80.0	49.1	27.4	15.2	10.1	6.5	2.6	44.4	930
	15-17	99.8	94.1	66.3	40.1	21.7	12.3	8.0	4.1	1.8	40.4	930
	18-20	100.0	96.4	92.4	73.3	51.1	29.7	17.1	8.9	3.7	53.1	929
	21-23	100.0	99.6	97.4	91.6	72.3	50.4	29.9	14.6	5.3	61.8	930
TOTALS		100.0	98.7	91.6	79.4	64.4	48.0	32.2	17.1	7.1	59.4	7439







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**NORTH**

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DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAL

## RELATIVE HUMIDITY

23004 KIRTLAND AFB NM

68-70,73-79

APR

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
APR	00-02	99.3	90.3	63.4	42.4	27.4	18.6	9.1	4.2	1.3	41.1	900
	03-05	100.0	96.7	79.3	57.4	38.7	25.7	15.3	6.4	1.9	47.8	900
	06-08	100.0	96.1	77.0	53.4	36.0	22.3	12.0	5.1	1.7	45.9	900
	09-11	96.6	70.9	36.7	19.1	10.2	5.3	2.4	1.6	1.0	30.0	900
	12-14	75.9	34.3	14.7	7.3	4.1	3.0	2.2	1.1	.8	20.4	900
	15-17	63.2	26.1	13.0	7.8	5.1	3.4	2.6	1.2	.3	18.0	900
	18-20	80.2	44.0	24.4	15.2	8.8	5.8	3.2	1.7	.4	24.1	900
	21-23	96.9	72.1	43.3	28.1	17.4	10.6	6.0	2.7	.9	33.4	900
TOTALS		89.0	66.3	44.0	28.8	18.5	11.8	6.6	3.0	1.0	32.6	7200



DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

23004 KIRTLAND AFB NM

68-70, 73-79

MAY

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
MAY	00-02	99.9	86.8	58.4	42.2	27.2	16.1	11.8	5.9	1.8	40.9	930
	03-05	100.0	46.1	75.9	56.9	39.6	24.8	16.7	9.0	3.8	47.9	930
	06-08	100.0	92.9	70.8	49.6	31.9	18.4	11.6	5.4	2.3	44.0	930
	09-11	94.7	62.8	35.7	20.4	11.2	6.7	3.4	1.6	.8	29.4	930
	12-14	55.2	34.3	17.7	9.1	5.8	4.1	3.0	1.5	.1	20.9	929
	15-17	60.0	26.9	15.7	9.5	6.6	4.1	2.8	1.3	.2	18.5	930
	18-20	79.1	39.6	25.4	16.9	10.9	6.8	5.3	2.5	.8	24.4	930
	21-23	97.2	55.4	39.5	26.8	19.1	12.8	9.0	4.3	1.1	33.2	930
TOTALS		88.0	63.1	42.4	28.9	19.0	12.0	8.0	3.9	1.4	32.4	7439







## RELATIVE HUMIDITY

JUL

MONTH

MONTH	HOURS (L.S.T)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUL	00-02	100.0	97.5	88.8	74.1	53.2	31.1	15.8	6.6	.6	52.5	930
	03-05	100.0	99.6	94.4	84.9	68.0	47.2	23.9	10.2	1.2	58.6	930
	06-08	100.0	98.7	93.9	79.1	59.0	35.4	16.2	6.9	.8	54.6	930
	09-11	98.9	92.7	72.2	41.1	18.1	7.7	2.0	1.1	.1	38.8	930
	12-14	95.7	71.4	33.1	12.3	4.1	1.2	.6	.2		27.6	930
	15-17	92.7	59.2	27.7	12.3	5.6	3.4	1.3	.4	.1	25.9	930
	18-20	95.8	76.2	50.5	30.4	17.2	11.0	5.6	2.3	.2	34.7	930
	21-23	99.5	94.3	78.0	58.0	37.1	23.0	12.0	6.5	.1	46.4	930
TOTALS		97.8	86.2	67.3	49.0	32.8	20.0	9.7	4.3	.4	42.4	7440







DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

23004 AIRTLAND AFB NM

67-70, 73-78

SEP

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
SEP	00-02	100.0	99.2	92.3	73.4	56.1	38.2	22.9	11.0	2.3	55.5	900
	03-05	100.0	99.8	97.2	87.2	70.6	51.8	34.1	16.0	4.4	62.0	900
	06-08	100.0	99.7	96.7	84.7	68.4	49.1	31.4	14.7	4.1	60.6	900
	09-11	99.8	94.6	74.2	53.7	30.8	14.9	5.3	2.3	.3	43.3	900
	12-14	98.6	74.7	45.0	22.3	11.7	6.0	2.0	.3	.1	31.8	900
	15-17	96.3	58.9	33.6	19.2	12.3	6.4	3.3	.7	.2	28.8	900
	18-20	99.2	80.9	55.0	36.1	23.1	14.2	8.1	3.2	.3	37.7	900
	21-23	99.9	95.7	78.1	59.0	38.3	24.4	14.6	6.9	1.2	47.6	900
TOTALS		99.2	87.9	71.5	54.5	38.9	25.6	15.2	6.9	1.6	45.9	7200



## RELATIVE HUMIDITY

67-70, 73-78

OCT

STATION

STATION NAME

PERIOD

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
GCT	00-02	100.0	98.5	85.7	63.5	44.0	31.1	18.8	12.0	3.1	51.4	930
	03-05	100.0	99.5	94.2	77.0	57.4	38.8	26.5	16.3	5.2	57.1	930
	06-08	100.0	99.6	93.8	77.8	59.3	38.8	25.9	16.3	7.0	57.4	929
	09-11	100.0	91.9	65.2	42.0	24.9	14.2	7.3	3.4	.8	40.7	930
	12-14	98.1	65.4	34.8	18.4	11.9	6.1	3.1	1.2	.3	29.6	930
	15-17	92.4	51.9	25.7	15.3	10.6	6.6	3.4	1.5	.4	26.4	930
	18-20	99.5	79.1	48.2	31.4	20.9	15.1	9.2	3.7	.9	36.5	930
	21-23	100.0	94.0	70.1	46.1	34.1	21.5	15.4	7.5	1.6	44.8	929
TOTALS		98.8	85.0	64.7	46.4	32.9	21.5	13.7	7.7	2.4	43.0	7438



## RELATIVE HUMIDITY

67-70, 73-78

NOV

## STATION

STATION NAME

**PERIOD**

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
NOV	00-02	100.0	99.4	93.1	76.1	57.6	40.4	25.4	12.8	4.7	56.5	900
	03-05	100.0	99.7	96.4	84.5	68.0	51.3	35.6	17.6	5.7	61.4	697
	06-08	100.0	99.9	97.4	86.6	71.7	55.3	37.8	22.2	5.6	63.3	698
	09-11	100.0	96.0	78.4	56.1	36.7	18.8	7.9	3.0	.7	45.3	900
	12-14	98.4	79.1	46.1	25.4	11.0	5.0	2.3	1.1	.2	32.5	899
	15-17	97.1	70.7	38.0	21.0	11.4	6.7	2.8	1.7	.7	30.7	900
	18-20	99.8	91.6	57.4	46.6	30.1	15.6	8.4	4.1	2.6	42.3	900
	21-23	100.0	98.3	83.8	62.2	45.7	30.0	16.3	7.4	2.9	50.3	900
TOTALS:		99.4	91.8	75.1	57.3	41.5	27.9	17.1	8.7	2.9	47.8	7194







DATA PROCESSING BRANCH  
ETAC/USAF  
AIR WEATHER SERVICE/MAC

## RELATIVE HUMIDITY

23004 KIRTLAND AFB NM

67-7G, 73-79

ALL

STATION

STATION NAME

PERIOD

MONTH

### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	ALL	100.0	98.7	91.6	79.4	64.4	48.0	32.2	17.1	7.1	59.4	7439
FEB		98.7	92.1	78.8	62.7	47.2	34.1	22.1	13.0	4.8	50.9	6767
MAR		96.2	81.6	63.2	48.2	35.1	22.9	14.2	7.3	2.4	42.7	7439
APR		89.0	66.3	44.0	28.8	18.5	11.8	6.6	3.0	1.0	32.6	7200
MAY		88.0	63.1	42.4	28.9	19.0	12.0	8.0	3.9	1.4	32.4	7439
JUN		86.5	57.5	34.9	20.8	11.5	6.1	2.9	1.2	.1	27.9	7199
JUL		97.8	86.2	67.3	49.0	32.8	20.0	9.7	4.3	.4	42.4	7440
AUG		98.9	89.2	71.4	53.5	37.0	23.4	12.5	6.3	1.2	45.0	7432
SEP		99.2	87.9	71.5	54.5	38.9	25.6	15.2	6.9	1.6	45.9	7200
OCT		98.8	85.0	64.7	46.4	32.9	21.5	13.7	7.7	2.4	43.0	7438
NOV		99.4	91.8	75.1	57.3	41.5	27.9	17.1	8.7	2.9	47.8	7194
DEC		99.9	97.5	86.9	72.0	54.7	37.3	21.8	11.3	4.5	54.2	7433
TOTALS		96.0	83.1	66.0	50.1	36.1	24.2	14.7	7.6	2.5	43.7	87620



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART F

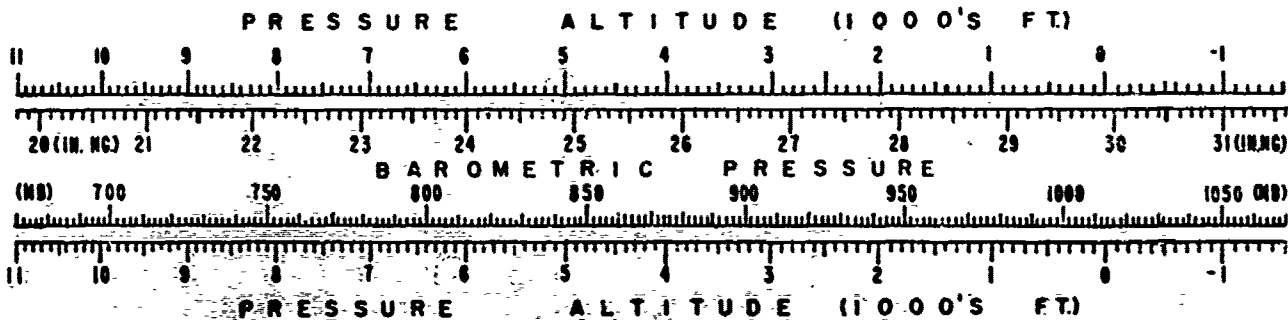
PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.  
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.  
METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.
2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.





GLOBAL CLIMATOLOGY BRANCH  
USAFETAC  
AIR WEATHER SERVICE/MAC

## MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23.04 KIRTLAND AFB NM

67-70,73-79

STATION		STATION NAME												YEARS														
HRS IL ST		JAN		FEB		MAR		APR		MAY		JUN		JUL		AUG		SEP		OCT		NOV		DEC		ANNUAL		
32	MEAN	24.73024.72624.63124.64724.67024.71324.78724.78624.78224.77224.76024.731																										24.728
	S D	.157 .155 .154 .128 .119 .098 .077 .068 .096 .118 .154 .169																										.138
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 310																										3653
05	MEAN	24.75624.75624.66724.68424.71724.76924.83624.83124.82324.81224.79424.756																										24.767
	S D	.162 .157 .157 .134 .116 .100 .070 .062 .093 .124 .156 .175																										.141
	TOTAL OBS	310 282 310 300 310 300 310 310 300 310 300 310																										3652
09	MEAN	24.75124.75524.66324.68724.71724.76624.83024.82624.82324.81324.79324.753																										24.765
	S D	.160 .160 .161 .140 .125 .100 .073 .063 .094 .124 .159 .172																										.142
	TOTAL OBS	310 282 309 300 310 300 310 310 300 310 300 310																										3651
11	MEAN	24.79824.79624.69224.70024.72824.78124.85024.85224.84424.83624.82324.793																										24.791
	S D	.163 .157 .163 .146 .124 .104 .068 .061 .094 .130 .157 .178																										.144
	TOTAL OBS	309 282 310 300 310 300 310 310 300 310 300 310																										3651
14	MEAN	24.69424.69424.59424.61124.64324.68824.75524.75624.75124.73524.72124.694																										24.695
	S D	.158 .156 .158 .139 .127 .104 .073 .065 .095 .128 .155 .171																										.142
	TOTAL OBS	310 282 310 300 309 300 310 310 300 310 300 310																										3651
17	MEAN	24.72424.71024.60624.60624.63624.67824.75924.75824.75324.74624.74624.724																										24.704
	S D	.153 .152 .153 .135 .122 .108 .071 .067 .100 .131 .149 .169																										.141
	TOTAL OBS	310 282 310 300 310 300 310 309 300 310 300 309																										3650
20	MEAN	24.72124.70924.60724.61324.63224.66924.75424.75424.75224.74624.74624.720																										24.702
	S D	.148 .148 .150 .128 .122 .104 .080 .074 .100 .123 .148 .165																										.138
	TOTAL OBS	309 282 310 300 310 300 310 309 300 310 300 309																										3649
23	MEAN	24.76824.75724.66424.67424.69824.74324.82924.82124.80724.79824.79524.762																										24.759
	S D	.153 .151 .152 .127 .113 .101 .074 .070 .098 .124 .148 .180																										.139
	TOTAL OBS	310 282 310 300 310 300 310 309 300 310 300 309																										3650
ALL HOURS	MEAN	24.74224.73824.64024.65324.68024.72624.80024.79824.79224.78224.77224.742																										24.739
	S D	.159 .158 .159 .139 .126 .110 .083 .078 .103 .130 .156 .174																										.145
	TOTAL OBS	2478 2256 2479 2400 2479 2400 2480 2477 2400 2483 2400 2477																										29206



GLOBAL CLIMATOLOGY BRANCH  
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## MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN HGS FROM HOURLY OBSERVATIONS

20004 KIRTLAND AFB NM

67-70, 73-79

STATION		STATION NAME												YEARS											
HRS. I. S. T.		JAN	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
02	MEAN	1017.2	1017.5	1012.4	1010.8	1010.0	1009.9	1012.3	1012.7	1013.8	1015.6	1017.7	1018.2	1014.2											
	S. D.	7.036	6.615	6.624	5.583	5.047	4.260	3.296	3.007	4.388	5.438	6.870	7.662	6.551											
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652											
05	MEAN	1019.3	1017.7	1012.7	1011.6	1011.1	1011.1	1013.3	1013.4	1014.5	1016.3	1018.4	1019.2	1014.9											
	S. D.	7.231	6.900	6.694	5.743	5.075	4.246	3.254	2.929	4.244	5.406	6.986	7.820	6.492											
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652											
08	MEAN	1021.4	1020.0	1014.7	1013.1	1012.4	1012.3	1014.7	1015.0	1016.2	1016.4	1020.5	1021.2	1016.6											
	S. D.	7.291	6.995	6.786	5.976	5.232	4.302	3.207	2.800	4.187	5.620	7.082	7.822	6.703											
	TOTAL OBS.	310	282	309	300	310	300	310	310	300	310	300	310	3651											
11	MEAN	1021.1	1019.5	1013.8	1012.0	1011.2	1011.2	1013.7	1014.1	1015.3	1017.3	1019.5	1020.6	1015.8											
	S. D.	7.231	6.962	6.811	6.091	5.286	4.377	3.113	2.834	4.263	5.711	6.913	7.823	6.823											
	TOTAL OBS.	310	282	310	300	310	300	310	310	300	310	300	310	3652											
14	MEAN	1017.6	1016.1	1010.7	1009.3	1008.9	1008.8	1011.0	1011.4	1012.5	1014.1	1016.1	1017.2	1012.8											
	S. D.	7.019	6.732	6.626	5.945	5.319	4.446	3.196	2.936	4.427	5.763	6.811	7.573	6.548											
	TOTAL OBS.	310	282	310	300	309	300	310	310	300	310	300	310	3651											
17	MEAN	1018.0	1015.8	1010.2	1008.5	1007.8	1007.5	1010.1	1010.4	1011.7	1013.7	1016.5	1017.9	1012.3											
	S. D.	6.753	6.569	6.341	5.709	5.268	4.576	3.450	3.107	4.555	5.647	6.650	7.464	6.769											
	TOTAL OBS.	310	282	310	300	310	299	310	309	300	310	300	309	3649											
20	MEAN	1020.1	1019.0	1012.3	1010.0	1008.7	1008.3	1011.5	1012.0	1013.4	1015.6	1018.6	1019.8	1014.0											
	S. D.	6.711	6.567	6.339	5.689	5.313	4.670	3.614	3.329	4.563	5.662	6.612	7.509	6.992											
	TOTAL OBS.	309	282	310	300	310	300	310	309	300	310	300	309	3649											
23	MEAN	1019.8	1017.8	1012.6	1010.9	1009.8	1009.7	1012.7	1012.8	1013.8	1015.7	1018.4	1019.4	1014.4											
	S. D.	6.803	6.748	6.521	5.610	5.082	4.321	3.446	3.208	4.452	5.526	6.628	7.632	6.658											
	TOTAL OBS.	310	282	310	300	310	300	310	309	300	310	300	309	3650											
ALL HOURS	MEAN	1019.2	1017.8	1012.4	1010.8	1010.0	1009.9	1012.4	1012.7	1013.9	1015.8	1018.2	1019.3	1014.4											
	S. D.	7.118	6.912	6.725	5.956	5.388	4.657	3.611	3.325	4.587	5.773	6.941	7.764	6.822											
	TOTAL OBS.	2474	2256	2479	2400	2479	2399	2480	2477	2400	2480	2400	2477	29208											